

Federal Operating Permit Number: 13300611

For: National Aeronautics & Space Administration

Facility: NASA GOLDSTONE DEEP SPACE
COMMUNICATIONS COMPLEX

Issued Pursuant to MDAQMD Regulation XII
Effective Date: May 08, 2001

This Federal Operating Permit Expires
May 08, 2006

Issued By: Charles L. Fryxell
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PART I INTRODUCTORY INFORMATION

A. FACILITY IDENTIFYING INFORMATION:

<u>Owner/Company Name:</u>	NASA
<u>Owner Mailing Address:</u>	4800 Oak Grove Drive Pasadena, CA 91109
<u>Facility Name:</u>	NASA GOLDSTONE DSCC
<u>Facility Location:</u>	Goldstone Lake, Fort Irwin, CA 92311
<u>Mailing Address:</u>	Honeywell Technology Solutions, Inc. 850 East Main St., Barstow, CA 92311
<u>MDAQMD Federal Operating Permit Number:</u>	13300611
<u>MDAQMD Company Number:</u>	0133
<u>MDAQMD Facility Number:</u>	00611
<u>Responsible Official:</u>	Mr. Don Mischel
<u>Title:</u>	Goldstone Complex Manager
<u>Phone Number:</u>	760-255-8423
<u>Facility "Site" Contacts:</u>	Ms. Elizabeth McCane
<u>Phone Number:</u>	760-255-8542
<u>Facility "Off Site" Contacts:</u>	Mr. Ezra Abrahamy
<u>Phone Number:</u>	818-354-1856
<u>Nature of Business:</u>	DSN Safety and Environmental Manager Telecommunications and Mission Operations Directorate
<u>SIC Code:</u>	9661
<u>Facility Location:</u>	UTM (Km) 3906 N / 518 E

B. DESCRIPTION OF FACILITY:

Federal Operating Permit (FOP number: 13300611) for NASA Goldstone (GOLDSTONE), which is located near Goldstone Lake, Fort Irwin, California. GOLDSTONE is a deep space communications facility. Because of the critical nature of the mission and the remoteness of the facility, uninterrupted electric power is critical. Therefore, the facility has twenty-one diesel engines, primarily 875 and 1280 bhp, driving 500 kW and 750 kW electric generators, respectively.

Miscellaneous ancillary support equipment includes four (4) underground 25,000 gallon diesel fuel storage tanks; five (5) non-retail gasoline and diesel fuel storage and dispensing facilities; three (3) portable sandblasting units; and one (1) paint spray booth.

C. EQUIPMENT DESCRIPTION:

1. Fifteen (15) Diesel-Fueled Piston Type Internal Combustion (IC) Engines Driving Electric Generators; five (5) Emergency Diesel-Fueled Piston Type IC Engine Driving Electrical Generators; and one (1) Emergency Diesel-Fueled Piston Type IC Engine Driving a Pump:
 - a. B000266: DIESEL IC ENGINE - Consisting of the following equipment: Caterpillar model 398, 875 bhp, Serial No. 8168, drives 500 kW generator set in Building G-24
 - b. B000267: DIESEL IC ENGINE - Consisting of the following equipment: Caterpillar model 398, 875 bhp, Serial No. 8169, drives 500 kW generator set in Building G-24
 - c. B000268: DIESEL IC ENGINE - Consisting of the following equipment: Caterpillar model 398, 875 bhp, Serial No. 8170, drives 500 kW generator set in Building G-24
 - d. B000269: DIESEL IC ENGINE - Consisting of the following equipment: Caterpillar model 398, 875 bhp, Serial No. 8171, drives 500 kW generator set in Building G-24
 - e. B000272: DIESEL IC ENGINE - Consisting of the following equipment: Caterpillar model 398, 875 bhp, Serial No. 8134 drives 500 kW generator set in Building G-81
 - f. B000273: DIESEL IC ENGINE - Consisting of the following equipment: Caterpillar model 398, 875 bhp, Serial No. 8133, drives 500 kW generator set in Building G-81
 - g. B000278: DIESEL IC ENGINE - Consisting of the following equipment: Caterpillar model 399, 1280 bhp, Serial No. 8132, drives 750 kW generator set in Building G-81
 - h. B000279: DIESEL IC ENGINE - Consisting of the following equipment: Caterpillar model 399, 1280 bhp, Serial No. 8114, drives 750 kW generator set in

- Building G-81
- i. B000280: DIESEL IC ENGINE - Consisting of the following equipment: Caterpillar model 398, 875 bhp, Serial No. 8113, drives 500 kW generator set in Building G-81
 - j. B000281: DIESEL IC ENGINE - Consisting of the following equipment: Caterpillar model 398, 875 bhp, Serial No. 8115, drives 500 kW generator set in Building G-81
 - k. B002057: DIESEL IC ENGINE - Consisting of the following equipment: Caterpillar model 398, 875 bhp, Serial No. 8194, drives 500 kW generator set in Building G-24
 - l. B000274: DIESEL IC ENGINE - Consisting of the following equipment: Caterpillar model 399, 1280 bhp, Serial No. 8165, drives 500 kW generator set in Building G-81
 - m. B000275: DIESEL IC ENGINE - Consisting of the following equipment: Caterpillar model 399, 1280 bhp, Serial No. 8164, drives 500 kW generator set in Building G-81
 - n. B000276: DIESEL IC ENGINE - Consisting of the following equipment: Caterpillar model 399, 1280 bhp, Serial No. 8166, drives 500 kW generator set in Building G-81
 - o. B000277: DIESEL IC ENGINE - Consisting of the following equipment: Caterpillar model 399, 1280 bhp, Serial No. 8167, drives 500 kW generator set in Building G-81
 - p. E003382: DIESEL IC ENGINE - Consisting of the following equipment: Cummins model 230DFBE5, 375 bhp, Serial No. 8237, drives 230 kW generator set adjacent to Building G-24
 - q. E004329: DIESEL IC ENGINE - Consisting of the following equipment: Caterpillar model D353, 260 bhp, Serial No. 8237, drives 150 kW generator set in Building G-39 area.
 - r. E004330: DIESEL IC ENGINE - Consisting of the following equipment: Caterpillar model D398, 860 bhp, Serial No. 66B2912, drives 500 kW generator set in Building G-39 area.
 - s. E004635: DIESEL IC ENGINE - Consisting of the following equipment: Palmer model 1003P18, 135 bhp, Serial No. 8201, drives 100 kW generator set in Building G-39 area.
 - t. E005133: DIESEL IC ENGINE - Consisting of the following equipment: Cummins model LTA10G1, 345 bhp, Serial No. 34886879 at the Apollo Site.
 - u. E003381: DIESEL IC ENGINE - Consisting of the following equipment: Cummins model V61551F, 101 bhp, Serial No. 8909, drives a pump in Building A-12 at the Apollo Site.
2. Four (4) Underground Diesel Fuel Storage Tanks:

- a. T003003: DIESEL TANKS - Consisting of the following equipment:
Two 25,000 gal No. 2 diesel fuel storage tanks, double-walled plasti-steel with leak detection, level detection and overfill protection at the Mars site.
- b. T003004: DIESEL TANKS - Consisting of the following equipment:
Two 25,000 gal No. 2 diesel fuel storage tanks, double-walled plasti-steel with leak detection, level detection and overfill protection at the Echo site.

3. Fuel Storage and Dispensing (Non-Retail):

A. N001476; Fuel Dispensing Facility consisting of:

- a. Tanks - Number of Tanks: 2

	Tank Number:	1	2
1.	Material Stored:	(87) Unleaded Diesel	
2.	Volume Gallons:	3,000	2,000
3.	Above/Underground	U	U
- b. Dispensing Equipment:

1.	Gasoline Dispensing Nozzles (Number):	1
2.	Diesel Dispensing Nozzles (Number):	1
3.	Phase II Vapor Recovery System (Type):	Balance

B. N001477; Fuel Dispensing Facility consisting of:

- a. Tanks - Number of Tanks: 2

	Tank Number:	1	2
1.	Material Stored:	(87) Unleaded	(87) Unleaded
2.	Volume Gallons:	10,000	10,000
3.	Above/Underground	U	U
- b. Dispensing Equipment:

1.	Gasoline Dispensing Nozzles (Number):	2
2.	Diesel Dispensing Nozzles (Number):	0
3.	Phase II Vapor Recovery System (Type):	Balance

4. Portable Abrasive Blasting Units:

- a. A001896; Portable Abrasive Blasting System, consisting of:

Serial No. 7667, located at Kentron work yard No. A-3, and operated a maximum of 16 hours per year.

- b. A001897; Portable Abrasive Blasting System, consisting of:
Serial No. 4140 is not generally used but may be called into service when normally used equipment (A001896) is inoperative.
 - c. A007644: Portable Abrasive Blasting System, consisting of:
Clemco Industries Corporation, model 1648, Serial Number 2558330. This unit has a tank capacity of 300 gallons.
5. PAINT SPRAY BOOTH:
consisting of the following equipment:
S000283: Binks model 30-770 spray booth, 25 ft long by 15 feet wide by 15 feet high, metal airflow baffles and 5 hp blower motor located in Building G-39.

PART II
FACILITYWIDE APPLICABLE REQUIREMENTS; EMISSIONS
LIMITATIONS; MONITORING, RECORDKEEPING,
REPORTING AND TESTING REQUIREMENTS; COMPLIANCE
CONDITIONS; COMPLIANCE PLANS

A. REQUIREMENTS APPLICABLE TO ENTIRE FACILITY AND EQUIPMENT:

1. A permit is required to operate this facility.
[Rule 203 - *Permit to Operate*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 - 43 FR 52237; Current Rule Version = 07/25/77]
2. The equipment at this facility shall not be operated contrary to the conditions specified in the District permit to operate.
[Rule 203 - *Permit to Operate*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 - 43 FR 52237; Current Rule Version = 07/25/77]
3. The Air Pollution Control Officer may impose written conditions on any permit.
[Rule 204 - *Permit Conditions*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 - 43 FR 52237; Current Rule Version = 07/25/77]
4. Commencing work or operation under a permit shall be deemed acceptance of all the conditions so specified.
[Rule 204 - *Permit Conditions*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 - 43 FR 52237; Current Rule Version = 07/25/77]
5. Posting of the permit to operate is required on or near the equipment or as otherwise approved by the APCO/District.
[Rule 206 - *Posting of Permit to Operate*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 - 43 FR 52237; Current Rule Version = 07/25/77]
6. Owner/Operator shall not willfully deface, alter, forge or falsify any permit issued under District rules.
[Rule 207 - *Altering or Falsifying of Permit*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) and 52.220(c)(31)(vi)(C) - 11/09/78 43 FR 52237; Current Rule Version = 07/25/77]
7. Permits are not transferable.
[Rule 209 - *Transfer and Voiding of Permit*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 - 43 FR 52237; Current Rule Version = 07/25/77]
8. The equipment at this facility shall not require a District permit or be listed on the Title V permit if such equipment is listed in Rule 219 and meets the applicable emission limitations contained in Rule

219 (D). However, any exempted insignificant activities/equipment are still subject to all applicable facility-wide federal applicable requirements.

[SIP Pending: Rule 219 - *Equipment Not Requiring a Written Permit* as Amended 12/21/94; Prior version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 43 FR 52237]

9. Owner/Operator of this facility shall obtain a Federal Operating Permit for operation of this facility.

[Rule 221 - *Federal Operating Permit Requirement*; Version in SIP = Current, 40 CFR 52.220(c)(216)(i)(A)(2) - 02/05/96 61 FR 4217]

10. Owner/Operator shall pay all applicable MDAQMD permit fees.

[Rule 301 - *Permit Fees*; Applicable Version = 10/23/94, Applicable via Title V Program interim approval 02/05/96 61 FR 4217]

11. Owner/Operator shall pay all applicable MDAQMD Title V permit fees.

[Rule 312 - *Fees for Federal Operating Permits*; Applicable Version = 10/23/94, Applicable via Title V Program interim approval 02/05/96 61 FR 4217]

12. Stack and point source visible emissions from this facility, of any air contaminant (including smoke) into the atmosphere, shall not equal or exceed Ringelmann No. 1 for a period or periods aggregating more than three minutes in any one hour:

a. While any unit [including turbines] is fired on Public Utilities Commission grade natural gas, Periodic Monitoring is not required to validate compliance with the Rule 401 Visible Emissions limit. However, Owner/Operator shall comply with the recordkeeping requirements stipulated elsewhere in this permit regarding the logging of fuel type, amount and suppliers certification information.

b. While any unit is fired on diesel fuel, Periodic Monitoring, in addition to required recordkeeping, is required to validate compliance with Rule 401 Visible Emissions limit. A visible emissions inspection is required after every one (1) million gallons of fuel is combusted. Fuel consumption is to be counted cumulatively over a 5 year period. If a visible emissions inspection documents opacity, a Method 9 "Visible Emissions Evaluation" shall be completed within 3 working days, or during the next scheduled operating period if the unit ceases firing on diesel within the 3 working day time frame.

[40 CFR 70.6 (a)(3)(B) - *Periodic Monitoring Requirements*](for *Periodic Monitoring Requirements*; see *Part II and Part III conditions*)

[Rule 401 - *Visible Emissions*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 09/08/78 - 43 FR 40011; Current Rule Version = 07/25/77]

[Rule 204 - *Permit Conditions*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 - 43 FR 52237; Current Rule Version = 07/25/77]

13. Owner/Operator is limited to use the following quality fuels for fuel types specified elsewhere in this permit: PUC quality natural gas fuel - sulfur compounds shall not exceed 800 ppm calculated as hydrogen sulfide at standard conditions; diesel fuel - sulfur content shall not exceed 0.5 percent by weight. Compliance with Rule 431 fuel sulfur limit for PUC quality natural gas fuel shall be determined by records supplied from the natural gas supplier documenting the sulfur content of the

utility grade - pipeline quality natural gas supplied as fuel. Compliance with Rule 431 fuel sulfur limit for diesel fuel shall be determined by keeping records of CARB certified diesel fuel given by supplier's fuel analysis guarantee. Records shall be kept on-site and available for review by District, state or federal personnel at any time. The sulfur content of diesel fuel shall be determined by use of ASTM method D 2622-82, or (ASTM method D 2880-71, or equivalent).

[40 CFR 70.6 (a)(3)(B) - *Periodic Monitoring Requirements*](for *Periodic Monitoring Requirements*; see *Part II and Part III conditions*)

[Rule 431 - *Sulfur Content of Fuels*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 09/08/78 - 43 FR 40011; Current Rule Version = 07/25/77]

14. Emissions of fugitive dust from any transport, handling, construction or storage activity at this facility shall not be visible in the atmosphere beyond the property line of the facility.
[Rule 403 - *Fugitive Dust*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 09/08/78 - 43 FR 40011; Current Rule Version = 07/25/77]
15. Owner/Operator shall comply with the applicable requirements of Rule 403.2 unless an "Alternative PM₁₀ Control Plan" (ACP) pursuant to Rule 403.2(G) has been approved.
[**SIP Pending:** Rule 403.2 - *Fugitive Dust Control for the Mojave Desert Planning Area* as amended 07/31/95 and submitted 10/13/95]
16. Owner/Operator shall not discharge into the atmosphere from this facility, particulate matter except liquid sulfur compounds, in excess of the concentration at standard conditions, shown in Rule 404, Table 404 (a).
 - (a) Where the volume discharged is between figures listed in the table, the exact concentration permitted to be discharged shall be determined by linear interpolation.
 - (b) This condition shall not apply to emissions resulting from the combustion of diesel or PUC quality natural gas fuels in steam generators or gas turbines.
 - (c) For the purposes of this condition, emissions shall be averaged over one complete cycle of operation or one hour, whichever is the lesser time period.
[Rule 404 - *Particulate Matter Concentration*; Version in SIP = Current, 40 CFR 52.220(c)(42)(xiii)(A) - 12/21/78 43 FR 52489]
17. Owner/Operator shall not discharge into the atmosphere from this facility, solid particulate matter including lead and lead compounds in excess of the rate shown in Rule 405, Table 405(a).
 - (a) Where the process weight per hour is between figures listed in the table, the exact weight of permitted discharge shall be determined by linear interpolation.
 - (b) For the purposes of this condition emissions shall be averaged over one complete cycle of operation or one hour, whichever is the lesser time period.
[Rule 405 - *Solid Particulate Matter, Weight*; Version in SIP = Current, 40 CFR 52.220(c)(42)(xiii)(A) - 12/21/78 43 FR 52489]
18. Owner/Operator shall not discharge into the atmosphere from this facility, from any single source of emissions whatsoever, Sulfur compounds, which would exist as a liquid or gas at standard conditions, calculated as sulfur dioxide (SO₂) greater than or equal to 500 ppm by volume.
[40 CFR 70.6 (a)(3)(B) - *Periodic Monitoring Requirements*](for *Periodic Monitoring*

Requirements; see Part II and Part III conditions)

[Rule 406 - *Specific Contaminants*; Version in SIP = 07/25/77, 40 CFR 52.220(c)(42)(xiii)(A) - 12/21/78 - 43 FR 52489, Subpart (a) only; Current Rule Version = 02/20/79]

19. Owner/Operator shall not discharge into the atmosphere from this facility, carbon monoxide (CO) exceeding 2000 ppm measured on a dry basis, averaged over a minimum of 15 consecutive minutes.
 - (a) The provisions of this condition shall not apply to emissions from internal combustion engines.

[Rule 407 - *Liquid and Gaseous Air Contaminants*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(C) - 09/08/78 - 43 FR 40011; Current Rule Version = 07/25/77]
20. Owner/Operator shall not build, erect, install or use any equipment at this facility, the use of which, without resulting in a reduction in the total release of air contaminants to the atmosphere, reduces or conceals an emission which would otherwise constitute a violation of Chapter 3 (commencing with Section 41700) of Part 4, of Division 26 of the Health and Safety Code or of District Rules.
 - (a) This condition shall not apply to cases in which the only violation involved is of Section 41700 of the Health and Safety Code, or of District Rule 402.

[Rule 408 - *Circumvention*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(C) - 09/08/78 - 43 FR 40011; Current Rule Version = 07/25/77]
21. Owner/Operator shall not discharge into the atmosphere from this facility from the burning of fuel, combustion contaminants exceeding 0.23 gram per cubic meter (0.1 grain per cubic foot) of gas calculated to 12 percent of carbon dioxide (CO₂) at standard conditions averaged over a minimum of 25 consecutive minutes.

[Rule 409 - *Combustion Contaminants*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(C) - 09/08/78 - 43 FR 40011; Current Rule Version = 07/25/77]
22. APCO in his/her discretion, may refrain from enforcement action against an Owner/Operator of any equipment which has violated a technology-based emission limitation, including but not limited to conditions contained in any permit issued by the District establishing such emission limitation, provided that a Breakdown has occurred and:
 - (a) Any breakdown which results in emissions exceeding a technology-based emission limitation is reported to the District within one hour of such breakdown or within one hour of the time a person knew or reasonably should have known of the occurrence of such breakdown; and
 - (b) An estimate of the repair time is provided to the District as soon as possible after the report of the breakdown; and
 - (c) All reasonable steps are immediately taken to minimize the levels of emissions and to correct the condition leading to the excess emissions.
 - (d) The equipment is operated only until the end of a cycle or twenty-four (24) hours, whichever is sooner, at which time it shall be shut down for repairs unless a petition for an emergency variance has been filed with the clerk of the Hearing Board in accordance with Regulation V.
 - (e) If the breakdown occurs outside normal District working hours the intent to file an

emergency variance shall be transmitted to the District in a form and manner prescribed by the Air Pollution Control Officer.

[SIP Pending: Rule 430 - *Breakdown Provisions* as amended 12/21/94 and submitted 02/24/95]

23. Owner/Operator of this facility shall not discharge organic materials into the atmosphere from equipment in which organic solvents or materials containing organic solvents are used, unless such emissions have been reduced by at least 85% or to the following:
- (a) Organic materials that come into contact with flame or are baked, heat cured or heat polymerized, are limited to 1.4 kilograms (3.1 pounds) per hour not to exceed 6.5 kilograms (14.3 pounds) per day.
 - (b) Organic materials emitted into the atmosphere from the use of photochemically reactive solvents are limited to 3.6 kilograms (7.9 pounds) per hour, not to exceed 18 kilograms (39.6 pounds) per day, except as provided in Rule 442, subsection (a)(1). All organic materials emitted for a drying period of 12 hours following their application shall be included in this limit.
 - (c) Organic materials emitted into the atmosphere from the use of non-photochemically reactive solvents are limited to 36.8 kilograms (81 pounds) per hour not to exceed 272 kilograms (600 pounds) per day. All organic materials emitted for a drying period of 12 hours following their application shall be included in this limit.
 - (d) The provisions of this condition shall not apply to the manufacture of organic solvents, or the transport or storage of organic solvents, or the transport or storage of materials containing organic solvents.
 - (e) The provisions of this condition shall not apply to the use of equipment for which other requirements are specified by Rules 461, 462, 463, and 464 or which are exempt from air pollution control requirements by said rules.

[Rule 442 - *Usage of Solvents*; Version in SIP = Current, 40 CFR 52.220(c)(51)(xii)(B) - 06/09/82 47 FR 25013]

24. Owner/Operator of this facility shall comply with the Organic Solvent Degreasing Operations requirements of Rule 1104 when engaged in wipe cleaning, cold solvent cleaning and/or vapor cleaning (degreasing) operations for metal/non-metal parts/products. These requirements are listed as follows:
- (a) All degreasers shall be equipped with a cover which reduces solvent evaporation and minimizes disturbing the vapor zone.
 - (b) A permanent, conspicuous label summarizing the applicable operating requirements contained in Rule 1104. In lieu of a label, operating instructions may be posted near the degreaser where the operators can access the proper operating requirements of this rule.
 - (c) Cold Solvent Degreasers - Freeboard Requirements:
 - (i) Cold solvent degreasers using only low volatility solvents which are not agitated, shall operate with a freeboard height of not less than 6 inches.
 - (ii) Cold solvent degreasers using only low volatility solvents may operate with a freeboard ratio equal to or greater than 0.50 when the cold solvent degreaser has a cover which remains closed during the cleaning operation.
 - (iii) Any cold solvent degreasers using solvent which is agitated, or heated above 50°C (120°F) shall operate with a freeboard ratio equal to or greater

than 0.75.

- (iv) A water cover may be used as an acceptable control method to meet the freeboard requirements, when the solvent is insoluble in water and has a specific gravity greater than 1.
- (d) Cold Solvent Degreasers - Cover Requirements:
 - (i) Cold solvent degreasers using high volatility solvent shall have a cover that is a sliding, rolling or guillotine (bi-parting) type which is designed to easily open and close without disturbing the vapor zone.
- (e) Cold Solvent Degreasers - Solvent Level Identification:
 - (ii) A permanent, conspicuous mark locating the maximum allowable solvent level conforming to the applicable freeboard requirements.
- (f) All Degreasers shall comply with the following operating requirements:
 - (i) Any solvent cleaning equipment and any emission control device shall be operated and maintained in strict accord with the recommendations of the manufacturer.
 - (ii) Degreasers shall not be operating with any detectable solvent leaks.
 - (iii) All solvent, including waste solvent and waste solvent residues, shall be stored in closed containers at all times. All containers for any solvent(s) shall have a label indicating the name of the solvent/material they contain.
 - (iv) Waste solvent and any residues shall be disposed of by one of the following methods: a commercial waste solvent reclamation service licensed by the State of California; **or** a federally or state licensed facility to treat, store or dispose of such waste; **or** the originating facility may recycle the waste solvent and materials in conformance with requirements of Section 25143.2 of the California Health and Safety Code.
 - (v) Degreasers shall be covered to prevent fugitive leaks of vapors, except when processing work or to perform maintenance.
 - (vi) Solvent carry-out shall be minimized by the following methods:
 - a) Rack workload arranged to promote complete drainage
 - b) Limit the vertical speed of the power hoist to 3.3 meters per minute (11 ft/min) or less when such a hoist is used.
 - c) Retain the workload inside of the vapor zone until condensation ceases.
 - d) Tip out any pools of solvent remaining on the cleaned parts before removing them from the degreaser if the degreasers are operated manually.
 - e) Do not remove parts from the degreaser until the parts are visually dry and not dripping/leaking solvent. (This does not apply to an emulsion cleaner workload that is rinsed with water within the degreaser immediately after cleaning.)
 - (vii) The cleaning of porous or absorbent materials such as cloth, leather, wood or rope is prohibited.
 - (viii) Except for sealed chamber degreasers, all solvent agitation shall be by either pump recirculation, a mixer, or ultrasonics.
 - (ix) The solvent spray system shall be used in a manner such that liquid

solvent does not splash outside of the container. The solvent spray shall be a continuous stream, not atomized or shower type, unless, the spray is conducted in a totally enclosed space, separated from the environment.

- (x) For those degreasers equipped with a water separator, no solvent shall be visually detectable in the water in the separator.
 - (xi) Wipe cleaning materials containing solvent shall be kept in closed containers at all times, except during use.
 - (xii) A degreaser shall be located so as to minimize drafts being directed across the cleaning equipment, the exposed solvent surface, or the top surface of the vapor blanket.
 - (xiii) A method for draining cleaned material, such as a drying rack suspended above the solvent and within the freeboard area, shall be used so that the drained solvent is returned to the degreaser or container.
- (g) Rule 442 Applicability: Any solvent using operation or facility which is not subject to the source-specific Rule 1104 shall comply with the provisions of Rule 442. Any solvent using operation or facility which is exempt from all or a portion of the VOC limits, equipment limits or the operational limits of Rule 1104 shall be subject to the applicable provisions of Rule 442.
- (h) Solvent Usage Records. Owner/Operator subject to Rule 1104 or claiming any exemption under Rule 1104, Section (E), shall comply with the following requirements:
- (1) Maintain and have available during an inspection, a current list of solvents in use at the facility which provides all of the data necessary to evaluate compliance, including the following information separately for each degreaser, as applicable:
 - (i) product name(s) used in the degreaser, and
 - (ii) the mix ratio of solvent compounds mixtures of solvents are used, and
 - (iii) VOC content of solvent or mixture of compounds as used, and
 - (iv) the total volume of the solvent(s) used for the facility, on a monthly basis, and
 - (v) the name and total volume applied of wipe cleaning solvent(s) used, on a monthly basis.
 - (2) Additionally, for any degreaser utilizing an add-on emission control device/system as a means of complying with provisions of Rule 1104 shall, on a monthly basis, maintain records of key system operating and maintenance data. Such data is recorded for the purpose of demonstrating continuous compliance during periods of emission producing activities. The data shall be recorded in a manner as prescribed by the District.
 - (3) Documentation shall be maintained on site of the disposal or on site recycling of any waste solvent or residues.
 - (4) Records shall be retained (at facility) and available for inspection by District, state or federal personnel for the previous 5 year period as required by this Title V / Federal Operating Permit.

[Rule 1104 - Organic Solvent Degreasing Operations; Version in SIP = Current, 40 CFR 52.220(c)(207)(i)(D)(2) - 04/30/96 61 FR 18962, effective 11/30/94]

25. Owner/Operator's use of *Architectural Coatings* at this facility shall comply with the requirements of Rule 1113, including the VOC limits specified in Rule 1113, part C, Table of Standards, as listed

below:

<u>Table of Standards</u>	
<u>COATING:</u>	<u>VOC (g/l)</u>
Below Ground Wood Preservatives	600
Bond Breakers	350
Concrete Curing Compounds	350
Dry-Fog Coatings	400
Fire Retardant Coatings	
Clear	650
Pigmented	350
Flat Coatings	250
General Primers, Sealers and Undercoaters	350
Graphic Arts (Sign) Coatings	500
Industrial Maintenance Coatings	
Anti-Graffiti Coatings	600
General Coatings	420
High Temperature Coatings	550
Lacquer	680
Magnesite Cement Coatings	600
Mastic Texture Coatings	300
Metallic-Pigmented Coatings	500
Multi-Color Coatings	580
Opaque Stains	350
Opaque Wood Preservatives	350
Pretreatment (Wash) Primer	780
Quick Dry Enamels	400
Quick Dry Primers, Sealers and Undercoaters	450
Roof Coatings	300
Sanding Sealers	550
Semi-transparent Stains	350
Semi-transparent and Clear Wood Preservatives	350
Shellac	
Clear	730
Pigmented	550
Swimming Pool Coatings	650
Swimming Pool Repair and Maintenance Coatings	650
Traffic Paints	250
For Other Surfaces	250
Black Traffic Coatings	650
Varnish	350
Waterproof Sealers	400

[Rule 1113 - *Architectural Coatings*; Version in SIP = 02/20/79, 40 CFR 52.220(c)(51)(xii)(B)-06/09/82 47 FR 25013; Current Rule Version = 09/02/92]

26. Owner/Operator shall apply coatings to metal parts and products subject to the provisions of Rule

1115 by using equipment properly operated according to manufacturer's suggested guidelines using one or more of the following methods:

- (a) Electrostatic attraction.
- (b) High Volume Low Pressure (HVLP) spray equipment.
- (c) Dip coat.
- (d) Hand Application Methods.

[Rule 1115 - *Metal Parts and Products Coating Operations*; Version in SIP = Current, 40 CFR 52.220(c)(239)(i)(A)(2) - 12/23/97 - 62 FR 67002, effective 2/23/98]

27. Owner/Operator shall not apply to metal parts and products any coatings, including any VOC-containing materials added to the original coating supplied by the manufacturer, which contain VOC in excess of the limits specified below unless emissions to the atmosphere are controlled to an equivalent level by air pollution abatement equipment with a capture and control system Combined Efficiency of at least 85 percent:

LIMITS

(Grams of VOC Per Liter of Coating, Less Water and Less Exempt Compounds)

<u>Coating</u>	<u>Air Dried</u>		<u>Baked</u>	
	gr/L	(lb/gal)	gr/L	(lb/gal)
General	420	(3.5)	360	(3.0)
Military Specification	420	(3.5)	360	(3.0)
Etching Filler	420	(3.5)	420	(3.5)
Solar-Absorbent	420	(3.5)	360	(3.0)
Heat-Resistant	420	(3.5)	360	(3.0)
High-Gloss	420	(3.5)	360	(3.0)
Extreme High-Gloss	420	(3.5)	360	(3.0)
Metallic	420	(3.5)	420	(3.5)
Extreme Performance	420	(3.5)	360	(3.0)
Prefabricated Architectural				
Component	420	(3.5)	275	(2.3)
Touch Up	420	(3.5)	360	(3.0)
Repair	420	(3.5)	360	(3.0)
Silicone-Release	420	(3.5)	420	(3.5)
High Performance				
Architectural	420	(3.5)	420	(3.5)
Camouflage	420	(3.5)	420	(3.5)
Vacuum-Metalizing	420	(3.5)	420	(3.5)
Mold-Seal	420	(3.5)	420	(3.5)
High-Temperature	420	(3.5)	420	(3.5)
Electric-Insulating Varnish	420	(3.5)	420	(3.5)
Pan-Backing	420	(3.5)	420	(3.5)
Pretreatment Wash Primer	420	(3.5)	420	(3.5)
Clear Coating	520	(4.3)	520	(4.3)

[Rule 1115 - *Metal Parts and Products Coating Operations*; Version in SIP = Current, 40 CFR

52.220(c)(239)(i)(A)(2) - 12/23/97 - 62 FR 67002, effective 2/23/98]

28. The provisions of Part II, Condition A.26 shall not apply to the application of touch-up coatings, repair coatings, textured coatings, metallic coatings which have a metallic content of more than 30 grams per liter, mold-seal coatings, and to facilities that use less than three gallons of such coatings per day, as applied, including any VOC-containing materials added to the original coatings as supplied by the manufacturer.
[Rule 1115 - *Metal Parts and Products Coating Operations*; Version in SIP = Current, 40 CFR 52.220(c)(239)(i)(A)(2) - 12/23/97 - 62 FR 67002, effective 2/23/98]
29. The provisions of Part II, Conditions (A)(26) and (A)(27) shall not apply to:
- (a) A facility which uses a total of less than one gallon of coating in any one day, including any VOC-containing materials added to the original coating as supplied by the manufacturer.
 - (b) Total noncompliant coating use per facility that does not exceed 55 gallons per year.
 - (c) Stencil coatings.
 - (d) Safety-indicating coatings.
 - (e) Magnetic data storage disk coatings.
 - (f) Solid-film lubricants.
 - (g) Adhesives.
 - (h) The coating of motor vehicle bodies at motor vehicle rework facilities.
- [Rule 1115 - *Metal Parts and Products Coating Operations*; Version in SIP = Current, 40 CFR 52.220(c)(239)(i)(A)(2) - 12/23/97 - 62 FR 67002, effective 2/23/98]
30. Owner/Operator of any facility classified as exempt or claiming to be exempt under Rule 1115 shall meet the record keeping requirements of Rule 1115 so as to be able to certify the exemption status.
[Rule 1115 - *Metal Parts and Products Coating Operations*; Version in SIP = Current, 40 CFR 52.220(c)(239)(i)(A)(2) - 12/23/97 - 62 FR 67002, effective 2/23/98]
31. Owner/Operator of any coating, coating operation, or facility which is exempt from all or a portion of the VOC limits of Rule 1115 shall comply with the provisions of Rule 442 unless compliance with the limits specified in Rule 1115 are achieved.
[Rule 1115 - *Metal Parts and Products Coating Operations*; Version in SIP = Current, 40 CFR 52.220(c)(239)(i)(A)(2) - 12/23/97 - 62 FR 67002, effective 2/23/98]
32. Owner/Operator shall comply with the following requirements when using solvent for surface preparation, cleanup, and paint removal, including paint spray equipment:
- (a)
 - (i) VOC-containing materials for surface preparation shall not have a VOC content in excess of 200 grams of VOC per liter of material (1.67 pounds per gallon); or
 - (ii) VOC-containing materials has an initial boiling point of 190 deg C (374 deg F) or greater; or
 - (iii) VOC-containing materials has a total VOC vapor pressure of 20 mm Hg or less, at 20 deg C (68 deg F).
 - (b) Owner/Operator shall use closed, nonabsorbent containers for the storage or disposal of cloth or paper used for solvent surface preparation and cleanup.
 - (c) Owner/Operator shall store fresh or spent solvent in closed containers.

- (d) Owner/Operator shall not use organic compounds for the cleanup of spray equipment including paint lines unless an enclosed system is used for cleanup. The system shall enclose spray guns, cups, nozzles, bowls, and other parts during washing, rinsing and draining procedures. Equipment used shall minimize the evaporation of organic compounds to the atmosphere.

[Rule 1115 - *Metal Parts and Products Coating Operations*; Version in SIP = Current, 40 CFR 52.220(c)(239)(i)(A)(2) - 12/23/97 - 62 FR 67002, effective 2/23/98]

- 33. Owner/Operator shall not specify the use in the District of any coating to be applied to any metal parts and products subject to the provisions of this Rule 1115 that does not meet the limits and requirements of Rule 1115. This requirement applies to all written or oral contracts.

[Rule 1115 - *Metal Parts and Products Coating Operations*; Version in SIP = Current, 40 CFR 52.220(c)(239)(i)(A)(2) - 12/23/97 - 62 FR 67002, effective 2/23/98]

- 34. Owner/Operator subject to Part II, Conditions (A)(26) through (A)(39) shall comply with the following requirements:

- (a) Owner/Operator shall maintain and have available during an inspection, a current list of coatings in use which provides all of the coating data necessary to evaluate compliance, including the following information, as applicable:
 - 1. coating, catalyst, and reducer used.
 - 2. mix ratio of components used.
 - 3. VOC content of coating as applied.
 - 4. quantity of Group II exempt compounds used.
- (b) Owner/Operator shall maintain records on a daily basis including:
 - 1. coating and mix ratio of components used in the coating; and
 - 2. quantity of each coating applied.
- (c) Owner/Operator shall maintain records on a daily basis showing the type and amount of solvent used for cleanup, surface preparation, and paint removal.
- (d) Records shall be retained (at facility) and available for inspection by District, state or federal personnel for the previous 5 year period as required by this Title V / Federal Operating Permit.

[Rule 1115 - *Metal Parts and Products Coating Operations*; Version in SIP = Current, 40 CFR 52.220(c)(239)(i)(A)(2) - 12/23/97 - 62 FR 67002, effective 2/23/98]

- 35. Owner/Operator shall obtain, and maintain records from the coating/ paint manufacturer regarding the VOC content of the coating/paint and any solvents contained therein.

[Rule 1115 - *Metal Parts and Products Coating Operations*; Version in SIP = Current, 40 CFR 52.220(c)(239)(i)(A)(2) - 12/23/97 - 62 FR 67002, effective 2/23/98]

[40 CFR 70.6 (a)(3)(B) - *Periodic Monitoring Requirements*] (for *Periodic Monitoring Requirements*, see Part II and Part III conditions)

- 36. Owner/Operator of any facility electing to engage in the mixing of coatings/ paints or solvents shall be required to obtain and maintain an analysis of the mixture from an independent testing laboratory on an annual basis.

[Rule 1115 - *Metal Parts and Products Coating Operations*; Version in SIP = Current, 40 CFR

52.220(c)(239)(i)(A)(2) - 12/23/97 - 62 FR 67002, effective 2/23/98]

[40 CFR 70.6 (a)(3)(B) - *Periodic Monitoring Requirements*] (for *Periodic Monitoring Requirements, see Part II and Part III conditions*)

37. A violation of the limits contained in Part II, Conditions (A)(26) through (A)(39) as determined by any one of Part II, Conditions (A)(38) and (A)(39) *Reference Method Tests* shall constitute a violation of applicable Part II conditions.

[Rule 1114 - *Wood Products Coating Operations*; Version in SIP = Current, 40 CFR

52.220(c)(244)(i)(C)(1) - 08/18/98 - 63 FR 44132]

[Rule 1115 - *Metal Parts and Products Coating Operations*; Version in SIP = Current, 40 CFR

52.220(c)(239)(i)(A)(2) - 12/23/97 - 62 FR 67002, effective 2/23/98]

38. The following specified *Reference Method Tests* shall be used to determine compliance with the provisions of Part II, Conditions (A)(26) through (A)(39), as required by Rule 1114:

- (a) Samples of coatings and solvent as specified in Part II Conditions (A)(26) through (A)(39) shall be analyzed as prescribed by EPA Reference Method 24 for VOC content (without correction for exempt compounds) and ASTM D4457-85, or ARB Method 432 for determination of emissions of exempt compounds. Perfluorocarbon compounds shall be assumed to be absent from a product or process unless a manufacturer or facility Owner/Operator identifies the specific individual compounds (from the broad classes of perfluorocarbon compounds) and the amounts present in the product or process and provides a validated test method which can be used to quantify the specific compounds.
- (b) Emissions of volatile organic compounds as specified in Part II Conditions (A)(26) through (A)(39) shall be measured as prescribed by EPA Reference Method 25 for determination of VOC emissions (without correction for exempt compounds) and EPA Method 18, or ARB Method 422 for measuring emission of exempt compounds.
- (c) Transfer efficiency as required by Part II Conditions (A)(26) through (A)(39) shall be determined by *South Coast Air Quality Management District Spray Equipment Transfer Efficiency Test Procedure for Equipment User, May 24, 1989*.
- (d) Overall abatement efficiency is the product of capture efficiency as determined by procedures described in 55 FR 26865, 29 June, 1990, and abatement device efficiency.

[Rule 1114 - *Wood Products Coating Operations*; Version in SIP = Current, 40 CFR

52.220(c)(244)(i)(C)(1) - 08/18/98 - 63 FR 44132]

[40 CFR 70.6 (a)(3)(B) - *Periodic Monitoring Requirements*] (for *Periodic Monitoring Requirements, see Part II and Part III conditions*)

39. The following specified *Reference Method Tests* shall be used to determine compliance with the provisions of Part II Conditions (A)(26) through (A)(39), as required by Rule 1115:

- (a) The VOC content of coatings and solvents, as specified in subsections (C)(2) and (C)(4)(c)(i), shall be analyzed as prescribed by USEPA Reference Method 24 for VOC content (without correction for exempt compounds) and ASTM D4457-85, or CARB Method 432, for determination of emissions of exempt compounds. Perfluorocarbon compounds shall be assumed to be absent from a product or process unless a manufacturer or facility operator identifies the specific individual compounds (from the broad classes of perfluorocarbon compounds) and the amounts present in the product or process and

- provides a validated test method which can be used to quantify the specific compounds.
- (b) Determination of the initial boiling point of liquid containing VOC, subject to subsection (C)(4)(c)(ii), shall be conducted in accordance with ASTM D1078-86.
 - (c) Calculation of total VOC vapor pressure for materials subject to subsection (C)(4)(c)(iii) shall be conducted in accordance with ASTM D2879-86. The fraction of water and exempt compounds in the liquid phase shall be determined by using ASTM D3792-91 and D4457-85 and shall be used to calculate the partial pressure of water and exempt compounds. The results of vapor pressure measurements obtained using ASTM D2879-86 shall be corrected for partial pressure of water and exempt compounds.
 - (d) Measurement of solvent losses from alternative application cleaning equipment subject to (C)(4)(b)(iii) shall be conducted in accordance with the South Coast Air Quality Management District's "General Test Method for Determining Solvent Losses from Spray Gun Cleaning Systems" (11/1/94).
 - (e) Measurement of acid content of a substance shall be determined by ASTM D1613-85.
 - (f) Measurement of metal content of coatings shall be determined in accordance with South Coast Air Quality Management District's "Laboratory Methods of Analysis for Enforcement Samples" manual, "Determination of Percent Metal in Metallic Coatings by Spectrographic Method, Method 311".
 - (g) Capture Efficiency shall be determined according to USEPA's technical document, "Guidelines for Determining Capture Efficiency" (1/9/95).
 - (h) The control efficiency of the Control Device shall be determined according to USEPA Test Methods 25, 25A or 25B for measuring the total gaseous organic concentrations at the inlet and outlet of the emissions Control Device, as contained in 40 CFR Part 60, Appendix A. USEPA Test Method 18 or CARB Method 422 shall be used to determine emissions of exempt compounds.
 - (i) Measurement of solids content by weight of a substance shall be conducted in accordance with ASTM D1475-60.
 - (j) Alternative test methods may be used upon obtaining the approval of the APCO, CARB and USEPA.
 - (k) Demonstration of Transfer Efficiency of alternative application methods subject to subsection (C)(1)(a)(v) shall be conducted in accordance with South Coast Air Quality Management District's "Spray Equipment Transfer Efficiency Test Procedure for Equipment User" (5/24/89).

[Rule 1115 - *Metal Parts and Products Coating Operations*; Version in SIP = Current, 40 CFR 52.220(c)(239)(i)(A)(2) - 12/23/97 - 62 FR 67002, effective 2/23/98]

[40 CFR 70.6 (a)(3)(B) - *Periodic Monitoring Requirements*] (*for Periodic Monitoring Requirements, see Part II and Part III conditions*)

- 40. Owner/Operator shall comply with all requirements of the District's Title V Program, MDAQMD Rules 1200 through 1210 (Regulation XII - *Federal Operating Permits*).
[Applicable via Title V Program interim approval 02/05/96 61 FR 4217]
- 41. Owner/Operator shall not discharge organic materials into the atmosphere from equipment in which organic solvents or materials containing organic solvents are used, unless such emissions have been reduced to the levels allowed in Rule 442. See statement of rule requirements in Part II Condition

(A)(23).

[Rule 442 - *Usage of Solvents*; Version in SIP = Current, 40 CFR 52.220(c)(51)(xii)(B) - 06/09/82
47 FR 25013]

42. Owner/Operator of any coating, coating operation, or facility which is exempt from all or a portion of the VOC limits of Rule 1114 shall comply with the provisions of Rule 442 unless compliance with the limits specified in Rule 1114 are achieved.
[Rule 1114 - *Wood Products Coating Operations*; Version in SIP = Current, 40 CFR 52.220(c)(244)(i)(C)(1) - 08/18/98 - 63 FR 44132]
43. The Grams of VOC Per Liter of Coating limits of Rule 1114 shall not apply to facilities meeting one or more of the following:
- (a) Facilities that use a total of less than one gallon of coating, including any VOC-containing materials added to the original coating as supplied by the manufacturer, subject to this rule, in any one day, or; surface coating operations that emit not more than 3 pounds of VOCs per day and not more than 200 pounds of VOCs per calendar year.
 - (b) Wood products coating operations which emit not more than 3 pounds of VOC per hour, before add-on controls.
 - (c) Wood products coating operations which emit not more than 15 pounds of VOC per day, before add-on controls.
 - (d) Facilities that do not exceed 10 tons per year theoretical potential emissions. "Theoretical potential emissions" is defined as the greater of design capacity or maximum production (based on 8760 hours/year) before add-on controls.
- [Rule 1114 - *Wood Products Coating Operations*; Version in SIP = Current, 40 CFR 52.220(c)(244)(i)(C)(1) - 08/18/98 - 63 FR 44132]
44. For the purposes of claiming an exemption pursuant Rule 1114, hourly or daily emissions shall be considered from January 1, 1996 forward.
[Rule 1114 - *Wood Products Coating Operations*; Version in SIP = Current, 40 CFR 52.220(c)(244)(i)(C)(1) - 08/18/98 - 63 FR 44132]
45. Owner/Operator of any facility classified as exempt or claiming to be exempt under Rule 1114 shall meet the record keeping requirements of Rule 1114 so as to be able to certify the exemption status.
[Rule 1114 - *Wood Products Coating Operations*; Version in SIP = Current, 40 CFR 52.220(c)(244)(i)(C)(1) - 08/18/98 - 63 FR 44132]
46. Once facility emissions exceed 3 pounds of VOC per hour, or 15 pounds of VOC per day, respectively, Owner/Operator and facility will remain subject to the Grams of VOC Per Liter of Coating limits of Rule 1114 even if facility emissions later fall below the applicability threshold.
[Rule 1114 - *Wood Products Coating Operations*; Version in SIP = Current, 40 CFR 52.220(c)(244)(i)(C)(1) - 08/18/98 - 63 FR 44132]
47. Owner/Operator shall not apply coatings to wood products subject to the provisions of Rule 1114 unless the coating is applied with properly operating equipment, according to manufacturer's suggested guidelines, using one or more of the following methods:

- (a) Flow Coat.
- (b) Dip Coat.
- (c) High-Volume Low-Pressure (HVLP) spray.
- (d) Paint brush.
- (e) Hand roller.
- (f) Roll Coater.

[Rule 1114 - *Wood Products Coating Operations*; Version in SIP = Current, 40 CFR 52.220(c)(244)(i)(C)(1) - 08/18/98 - 63 FR 44132]

48. Owner/Operator of wood products coating operations shall not apply any coating to a wood product which has a VOC content, including any VOC-containing material added to the original coating supplied by the manufacturer, which exceeds the applicable limit specified below, unless emissions to the atmosphere are controlled by air pollution abatement equipment with an overall capture and abatement efficiency of at least 85 percent as determined pursuant to Rule 1114 requirements:

LIMITS
Grams of VOC Per Liter of Coating,
Less Water and Less Exempt Compounds

<u>Coating</u>	<u>(g/L)</u>	<u>(lb/gal)</u>
Clear Topcoats		
containing Group II		
exempt compounds	275	2.3
not containing Group II		
exempt compounds	275	2.3
Fillers	275	2.3
High-Solid Stains	240	2.0
Inks	500	4.2
Mold-Seal Coatings	750	6.3
Multi-Colored Coatings	275	2.3
Pigmented Coatings	275	2.3
Sealers:		
containing Group II		
exempt compounds	240	2.0
not containing Group II		
exempt compounds	240	2.0
Strippers	350	2.9
Adhesives	250	2.1
Low-Solids Stains, Toners, or Wash Coats:		
containing Group II		
exempt compounds	120	1.0
not containing Group II		
exempt compounds	120	1.0

[Rule 1114 - *Wood Products Coating Operations*; Version in SIP = Current, 40 CFR

52.220(c)(244)(i)(C)(1) - 08/18/98 - 63 FR 44132]

49. Owner/Operator using solvent for surface preparation and cleanup at facility shall comply with the following Rule 1114 requirements:

- (a) Owner/Operator shall not use an organic compound for surface preparation, except strippers, with a VOC content in excess of 200 grams of VOC per liter of material (1.67 pounds per gallon).
- (b) Owner/Operator shall use closed, nonabsorbent containers for the storage or disposal of cloth or paper used for solvent surface preparation and cleanup.
- (c) Owner/Operator shall store fresh or spent solvent in closed containers.
- (d) Owner/Operator shall not use organic compounds for the cleanup of spray equipment including paint lines unless an enclosed system is used for cleanup. The system must enclose spray guns, cups, nozzles, bowls, and other parts during washing, rinsing and draining procedures. Equipment used shall minimize the evaporation of organic compounds to the atmosphere.

[Rule 1114 - *Wood Products Coating Operations*; Version in SIP = Current, 40 CFR 52.220(c)(244)(i)(C)(1) - 08/18/98 - 63 FR 44132]

50. Owner/Operator shall not specify use at the facility any coating to be applied to any wood products, subject to the provisions of Rule 1114, that does not meet the limits and requirements of Part II Conditions (A)(46) through (A)(48), above. The requirements of Part II Condition (A)(47) above shall apply to all written or oral contracts.

[Rule 1114 - *Wood Products Coating Operations*; Version in SIP = Current, 40 CFR 52.220(c)(244)(i)(C)(1) - 08/18/98 - 63 FR 44132]

51. Owner/Operator of facility subject to the requirements of Rule 1114 shall comply with the following requirements:

- (a) Facility coating operation shall have a continuous monitor, as approved by the APCO/District, for any add-on control device used to meet the control requirement of Part II Condition (A)(48).
- (b) Facility coating operation records of the monitoring devices pursuant to Part II Condition (A)(51)(a) and other data necessary to demonstrate compliance with the control requirements shall be maintained on the premises and made accessible to the District in a form and manner as specified by the APCO/District for a period of five (5) years pursuant to Rule 1114 and Title V requirements.
- (c) Compliance with Part II Condition (A)(48) control efficiency requirements shall be determined by source testing and/or evaluating continuous monitor data.
- (d) Each monitoring device used pursuant to Part II Condition (A)(51)(a) shall be calibrated in a manner approved by the APCO/District; and maintained in optimum working order.

[Rule 1114 - *Wood Products Coating Operations*; Version in SIP = Current, 40 CFR 52.220(c)(244)(i)(C)(1) - 08/18/98 - 63 FR 44132]

52. Owner/Operator shall supply the following information to the District from the manufacturer of coatings subject to this rule: Information shall include a designation of VOC as supplied on data sheets; including coating components, expressed in grams per liter or pounds per gallon, excluding water and exempt solvents.

[Rule 1114 - *Wood Products Coating Operations*; Version in SIP = Current, 40 CFR 52.220(c)(244)(i)(C)(1) - 08/18/98 - 63 FR 44132]

53. Owner/Operator shall not increase use of the Group II exempt compounds, methylene chloride and/or 1,1,1-trichloroethane, to meet the VOC content standards of Rule 1114.

[Rule 1114 - *Wood Products Coating Operations*; Version in SIP = Current, 40 CFR 52.220(c)(244)(i)(C)(1) - 08/18/98 - 63 FR 44132]

B. FACILITYWIDE MONITORING, RECORDKEEPING AND REPORTING REQUIREMENTS:

1. Any data and records required to be generated and/or kept by any portion of this permit shall be kept current and on site for a minimum of five (5) years from the date generated pursuant to Title V Program requirements and shall be provided to District, state, or federal personnel upon request. [40 CFR 70.6(a)(3)(ii)(B); Rule 1203(D)(1)(d)(ii)].

2. Any reports generated from monitoring required by any portion of this permit shall be submitted by the facility Owner/Operator to the MDAQMD at least every six (6) months unless another time period is specified in the specific provision requiring monitoring. [40 CFR 70.6(a)(3)(iii)(A); Rule 1203(D)(1)(e)(i)]

3. Any Compliance / Performance testing required by this Federal Operating Permit shall follow the administrative procedures contained in the District's Compliance Test Procedural Manual. Any required annual Compliance and/or Performance Testing shall be accomplished by obtaining advance written approval from the District pursuant to the District's *Compliance Test Procedural Manual*. All emission determinations shall be made as stipulated in the *Written Test Protocol* accepted by the District. When proposed testing involves the same procedures followed in prior District approved testing, then the previously approved *Written Test Protocol* may be used with District concurrence.

[40 CFR 70.6 (a)(3)(B) - *Periodic Monitoring Requirements*](for *Periodic Monitoring Requirements*; see *Part II and Part III conditions*)

[Rule 204 - *Permit Conditions*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 - 43 FR 52237; Current Rule Version = 07/25/77]

4. Owner/Operator of permit units subject to Comprehensive Emissions Inventory Report / Annual Emissions Determinations for District, state, and federal required Emission Inventories shall monitor and record the following for each unit:

- (a) The cumulative annual usage of each fuel type. The cumulative annual usage of each fuel type shall be monitored from utility service meters, purchase or tank fill records.

- (b) Fuel suppliers fuel analysis certification/guarantee including fuel sulfur content shall be kept on site and available for inspection by District, state or federal personnel upon request. The sulfur content of diesel fuel shall be determined by use of ASTM method D 2622-82, or (ASTM method D 2880-71, or equivalent).
- (c) The HHV for diesel fuels burned shall be determined from daily samples and reported as a monthly average for each month; the sampling and analysis procedures of Appendix D to 40 CFR 75 may be used.

[40 CFR 70.6 (a)(3)(B) - Periodic Monitoring Requirements](for Periodic Monitoring Requirements; see Part II and Part III conditions)

[Rule 204 - Permit Conditions; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 - 43 FR 52237; Current Rule Version = 07/25/77]

[California Clean Air Act, Health and Safety Code §§39607 and §§44300 et seq., and the Federal Clean Air Act, §110(a)(2)(F)(ii), codified in 40 CFR 60 Subpart Q]

C. FACILITYWIDE COMPLIANCE CONDITIONS:

1. Owner/Operator shall allow an authorized representative of the MDAQMD to enter upon the permit holder's premises at reasonable times, with or without notice.
[40 CFR 70.6(c)(2)(i); Rule 1203(D)(1)(g)(i)]
2. Owner/Operator shall allow an authorized representative of the MDAQMD to have access to and copy any records that must be kept under condition(s) of this Federal Operating Permit.
[40 CFR 70.6(c)(2)(ii); Rule 1203(D)(1)(g)(ii)]
3. Owner/Operator shall allow an authorized representative of the MDAQMD to inspect any equipment, practice or operation contained in or required under this Federal Operating Permit.
[40 CFR 70.6(c)(2)(iii); Rule 1203(D)(1)(g)(iii)]
4. Owner/Operator shall allow an authorized representative of the MDAQMD to sample and/or otherwise monitor substances or parameters for the purpose of assuring compliance with this Federal Operating Permit or with any Applicable Requirement.
[40 CFR 70.6(c)(2)(iv); Rule 1203(D)(1)(g)(iv)]
5. If Owner/Operator is operating pursuant to a Schedule of Compliance contained herein then Owner/Operator shall submit a Progress Report regarding that Schedule of Compliance on a semiannual [6 month] basis unless a shorter time is set forth in the Schedule of Compliance itself.
[40 CFR 70.6(c)(5)(i); Rule 1203(D)(1)(g)(vi)]
6. Owner/Operator shall submit Compliance Certifications on an annual basis as prescribed by Rule 1203(F)(1) and Rule 1208. Compliance Certifications by a Responsible Official shall certify the truth, accuracy and completeness of the document submitted and contain a statement to the effect that the certification is based upon information and belief, formed after a reasonable inquiry, the statements and information in the document are true, accurate, and complete.
[40 CFR 70.6(c)(5)(i); Rule 1203(D)(1)(g)(vii); Rule 1203(F)(1); Rule 1208]

7. Owner/Operator shall include in any Compliance Certification the methods used for monitoring such compliance.
[40 CFR 70.6(c)(5)(ii); Rule 1203(D)(1)(g)(viii)]
8. Owner/Operator when submitting any Compliance Certification(s) to the MDAQMD, shall contemporaneously submit such Compliance Certification(s) to USEPA.
[40 CFR 70.6(5)(iii); Rule 1203(D)(g)(ix)]
9. Owner/Operator shall remain in compliance with all Applicable Requirements / federally enforceable requirements by complying with all compliance, monitoring, record-keeping, reporting, testing, and other operational conditions contained in this Federal Operating Permit. Any noncompliance constitutes a violation of the Federal Clean Air Act and is grounds for enforcement action; the termination, revocation and re-issuance, or modification of this Federal Operating Permit; and/or grounds for denial of a renewal application.
[1203 (D)(1)(f)(ii)]
10. Owner/Operator shall comply in a timely manner with all applicable requirements / federally - enforceable requirements that become effective during the term of this permit.
[Rule 1201 (I)(2)]
11. Owner/Operator shall submit *Compliance Certifications* to the Mojave Desert Air Quality Management District and to the Administrator - USEPA Region 9 within thirty (30) days of the permit anniversary date.
[Rule 1203 (F)(1)]
12. If any Goldstone facility unit(s) should be determined not to be in compliance with any federally-enforceable requirement during the 5 year permit term, then Owner/Operator shall obtain a *Schedule of Compliance* approved by the District Hearing Board pursuant to the requirements of MDAQMD Regulation 5 (Rules 501 - 518). In addition, Owner/Operator shall submit a *Progress Report* on the implementation of the *Schedule of Compliance*. The *Schedule of Compliance* shall contain the information outlined in (b), below. The *Progress Report* shall contain the information outlined in (c), below. The *Schedule of Compliance* shall become a part of this Federal Operating Permit by administrative incorporation. The *Progress Report* and *Schedule of Compliance* shall comply with Rule 1201(I)(3)(iii) and shall include:
 - (a) A narrative description of how the facility will achieve compliance with such requirements; and
 - (b) A *Schedule of Compliance* which contains a list of remedial measures to be taken for the facility to come into compliance with such requirements, an enforceable sequence of actions, with milestones, leading to compliance with such requirements and provisions for the submission of *Progress Reports* at least every six (6) months. The *Schedule of Compliance* shall include any judicial order, administrative order, and/or increments of progress or any other schedule as issued by any appropriate judicial or administrative body or by the District Hearing Board pursuant to the provisions of Health & Safety Code §42350 et seq.; and

- (c) *Progress Reports* submitted under the provisions of a *Schedule of Compliance* shall include: Dates for achieving the activities, milestone, or compliance required in the schedule of compliance; and dates when such activities, milestones or compliance were achieved; and an explanation of why any dates in the schedule of compliance were not or will not be met; and any preventive or corrective measures adopted due to the failure to meet dates in the schedule of compliance.

[Rule 1201 (I)(3)(iii); Rule 1203 (D)(1)(e)(ii); Rule 1203 (D)(1)(g)(v)]

[SIP Pending: Rule 430 - Breakdown Provisions as amended 12/21/94 and submitted 02/24/95]

13. Owner/Operator shall comply with any additional certification requirements as specified in 42 U.S.C §7414(a)(3), Recordkeeping, Inspections, Monitoring and Entry (Federal Clean Air Act §114(a)(3)) and 42 U.S.C. §7661c(b), Permit Requirements and Conditions (Federal Clean Air Act §503(b)), or in regulations promulgated thereunder.
[Rule 1203 (D)(1)(g)(x)]
14. Owner/Operator shall keep records for a minimum of five (5) years from the date the records were created to substantiate compliance with all conditions of this Federal Operating Permit. Any records, data or logs shall be supplied to District, state or federal personnel upon request.
[40 CFR 70.6(a)(3)(ii)(B); Rule 1203(D)(1)(d)(ii)].
15. Owner/Operator shall comply with all applicable provisions of 40 CFR 72, Permits Regulation (Title IV) and the submitted Title IV Permit Application as indicated in Part VIII of this combined, *Title V Federal Operating Permit / Title IV Acid Rain Permit*.
[40 CFR 72; Rule 1210]
16. Owner/Operator shall insure that all applicable subject processes comply with the provisions of 40 CFR 61, *National Emission Standards for Hazardous Air Pollutants*, subpart A, *General Provisions*, and subpart M, *Asbestos*.
[40 CFR 61, subparts A and M]
17. Owner/Operator shall notify APCO/District at least 10 working days before any applicable asbestos stripping or removal work is to be performed as required by section 61.145.b of 40 CFR 61 subpart M, *National Emission Standard for Asbestos*.
[40 CFR 61.145.b]
18. Owner/Operator shall notify the APCO/District, on an **annual** basis, postmarked by December 17 of the calendar year, of the predicted asbestos renovations for the following year as required by section 61.145.b of 40 CFR 61, subpart M [see cite for threshold triggering and applicability].
[40 CFR 61.145.b]
19. Owner/Operator shall submit, on a semi-annual basis, a *Monitoring Report* to the APCO/District, with a copy to the EPA Region IX Administrator. Each *Monitoring Report* shall be submitted no later than January 31 and July 31 of any given year, shall be certified to be true, accurate, and complete by a responsible official, and shall include the following information and/or data:
- (a) Summary of deviations from any federally-enforceable requirement in this permit.

- (b) Summary of all emissions monitoring and analysis methods required by any Applicable Requirement / federally - enforceable requirement.
 - (c) Summary of all periodic monitoring, testing or record keeping (including test methods sufficient to yield reliable data) to determine compliance with any Applicable Requirement / federally - enforceable requirement that does not directly require such monitoring.
 - (d) Summary of necessary requirements concerning use and maintenance of equipment including the installation and maintenance of monitoring equipment.
[Rule 1203 (D)(1)(e)(i); and 1203 (D)(1)(c)(i - iii)]
20. Owner/Operator shall promptly report all deviations from federal operating permit requirements including those attributable to breakdown conditions. Prompt reporting shall be determined for compliance with District Rule 430.
[Rule 1203 (D)(1)(e)(ii)]
[SIP Pending: Rule 430 - Breakdown Provisions as amended 12/21/94 and submitted 02/24/95]
21. On an **annual** basis, of any given year, Owner/Operator shall submit a *Compliance Certification Report*, within 30 days of the anniversary of the date of the issuance or renewal of the Federal Operating Permit, to the APCO/District pursuant to District Rule 1203. This report shall identify each Applicable Requirement / federally-enforceable requirement in this permit, the compliance status of each subject process unit, whether the compliance was continuous or intermittent since the last certification, and the method(s) used to determine or monitor compliance. Each report shall be certified to be true, accurate, and complete by a responsible official and a copy of this annual report shall also be contemporaneously submitted to the EPA Region IX Administrator.
[40 CFR 72.90.a and Rule 1203 (D)(1)(g)(vii - x)]

PART III
EQUIPMENT SPECIFIC APPLICABLE REQUIREMENTS; EMISSIONS
LIMITATIONS; MONITORING, RECORDKEEPING,
REPORTING AND TESTING REQUIREMENTS; COMPLIANCE
CONDITIONS; COMPLIANCE PLANS

- A. CONDITIONS APPLICABLE TO DIESEL FUELED PISTON TYPE INTERNAL COMBUSTION ENGINE DRIVERS:
1. Fifteen (15) Diesel-Fueled Piston Type Internal Combustion (IC) Engines Driving Electric Generators; five (5) Emergency Diesel-Fueled Piston Type IC Engine Driving Electrical Generators; and one (1) Emergency Diesel-Fueled Piston Type IC Engine Driving a Pump:
- a. B000266: DIESEL IC ENGINE - Consisting of the following equipment: Caterpillar model 398, 875 bhp, Serial No. 8168, drives 500 kW generator set in Building G-24
 - b. B000267: DIESEL IC ENGINE - Consisting of the following equipment: Caterpillar model 398, 875 bhp, Serial No. 8169, drives 500 kW generator set in Building G-24
 - c. B000268: DIESEL IC ENGINE - Consisting of the following equipment: Caterpillar model 398, 875 bhp, Serial No. 8170, drives 500 kW generator set in Building G-24
 - d. B000269: DIESEL IC ENGINE - Consisting of the following equipment: Caterpillar model 398, 875 bhp, Serial No. 8171, drives 500 kW generator set in Building G-24
 - e. B000272: DIESEL IC ENGINE - Consisting of the following equipment: Caterpillar model 398, 875 bhp, Serial No. 8134 drives 500 kW generator set in Building G-81
 - f. B000273: DIESEL IC ENGINE - Consisting of the following equipment: Caterpillar model 398, 875 bhp, Serial No. 8133, drives 500 kW generator set in Building G-81
 - g. B000278: DIESEL IC ENGINE - Consisting of the following equipment: Caterpillar model 399, 1280 bhp, Serial No. 8132, drives 750 kW generator set in Building G-81
 - h. B000279: DIESEL IC ENGINE - Consisting of the following equipment: Caterpillar model 399, 1280 bhp, Serial No. 8114, drives 750 kW generator set in Building G-81
 - i. B000280: DIESEL IC ENGINE - Consisting of the following equipment: Caterpillar model 398, 875 bhp, Serial No. 8113, drives 500 kW generator set in Building G-81
 - j. B000281: DIESEL IC ENGINE - Consisting of the following equipment: Caterpillar model 398, 875 bhp, Serial No. 8115, drives 500 kW generator set in

- Building G-81
- k. B002057: DIESEL IC ENGINE - Consisting of the following equipment: Caterpillar model 398, 875 bhp, Serial No. 8194, drives 500 kW generator set in Building G-24
 - l. B000274: DIESEL IC ENGINE - Consisting of the following equipment: Caterpillar model 399, 1280 bhp, Serial No. 8165, drives 500 kW generator set in Building G-81
 - m. B000275: DIESEL IC ENGINE - Consisting of the following equipment: Caterpillar model 399, 1280 bhp, Serial No. 8164, drives 500 kW generator set in Building G-81
 - n. B000276: DIESEL IC ENGINE - Consisting of the following equipment: Caterpillar model 399, 1280 bhp, Serial No. 8166, drives 500 kW generator set in Building G-81
 - o. B000277: DIESEL IC ENGINE - Consisting of the following equipment: Caterpillar model 399, 1280 bhp, Serial No. 8167, drives 500 kW generator set in Building G-81
 - p. E003382: DIESEL IC ENGINE - Consisting of the following equipment: Cummins model 230DFBE5, 375 bhp, Serial No. 8237, drives 230 kW generator set adjacent to Building G-24
 - q. E004329: DIESEL IC ENGINE - Consisting of the following equipment: Caterpillar model D353, 260 bhp, Serial No. 8237, drives 150 kW generator set in Building G-39 area.
 - r. E004330: DIESEL IC ENGINE - Consisting of the following equipment: Caterpillar model D398, 860 bhp, Serial No. 66B2912, drives 500 kW generator set in Building G-39 area.
 - s. E004635: DIESEL IC ENGINE - Consisting of the following equipment: Palmer model 1003P18, 135 bhp, Serial No. 8201, drives 100 kW generator set in Building G-39 area.
 - t. E005133: DIESEL IC ENGINE - Consisting of the following equipment: Cummins model LTA10G1, 345 bhp, Serial No. 34886879 at the Apollo Site.
 - u. E003381: DIESEL IC ENGINE - Consisting of the following equipment: Cummins model V61551F, 101 bhp, Serial No. 8909, drives a pump in Building A-12 at the Apollo Site.
2. PERMIT CONDITIONS FOR PERMITS B000266 – 269; B000272 – 281; B002057:
- a. Owner/Operator shall insure this equipment complies with applicable Part II and Part III conditions.
[40 CFR 70.6 (a)(3)(B) - *Periodic Monitoring Requirements*](for *Periodic Monitoring Requirements, see Part II and Part III conditions*)
[Rule 204 - *Permit Conditions*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52. 220(c)(39)(ii)(B) - 11/09/78 43 FR 52237; Current Rule Version = 07/25/77]

- b. A working computer program shall be used to monitor all power plant generator NO_x emissions on an hourly, daily, monthly and a running year (the last 365 days) basis. NO_x emissions from all of the engines regardless of use (emergency, critical tracking or peak clipping) shall not exceed 2000 pounds per day or 250 tons per year (as a running total for the preceding 364 day period plus the current day's operation). As engines are tested, the most recent engine specific emissions factor shall be used to determine emissions for that engine; for engines not yet tested the highest emissions factor from like model engine tests shall be used.
[40 CFR 70.6 (a)(3)(B) - *Periodic Monitoring Requirements*](for *Periodic Monitoring Requirements, see Part II and Part III conditions*)
[Rule 204 - *Permit Conditions*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 43 FR 52237; Current Rule Version = 07/25/77]
[40 CFR 70.6(a)(3)(ii)(B); Rule 1203(D)(1)(d)(ii)]
[Rule 1203(D)(1)(d)(ii)]
- c. The sulfur concentrations of all diesel fuel used for permitted equipment shall not exceed 0.05% on a weight basis.
[40 CFR 70.6 (a)(3)(B) - *Periodic Monitoring Requirements*](for *Periodic Monitoring Requirements, see Part II and Part III conditions*)
[Rule 204 - *Permit Conditions*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 43 FR 52237; Current Rule Version = 07/25/77]
- d. A daily log shall be maintained which includes but is not limited to the following:
1. Hours of operation/day/engine with load factor
 2. Dates of routine maintenance
 3. Dates of major repairs and/or replacements
 4. Operator's name
 5. Source of emission data shall be cited either manually or as part of the computer program report of daily emissions, e.g. Test Report T1686, August 12, 1993. This log and required cumulative emissions shall be maintained current, on site for a minimum of five (5) years and provided to District personnel on request.
[40 CFR 70.6 (a)(3)(B) - *Periodic Monitoring Requirements*](for *Periodic Monitoring Requirements, see Part II and Part III conditions*)
[Rule 204 - *Permit Conditions*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52. 220(c)(39)(ii)(B) - 11/09/78 43 FR 52237; Current Rule Version = 07/25/77]
- e. This equipment does not require a regularly scheduled emission compliance test. However, emission compliance testing may be required at the discretion of the District.

[40 CFR 70.6 (a)(3)(B) - Periodic Monitoring Requirements](for Periodic Monitoring Requirements, see Part II and Part III conditions)

[Rule 204 - Permit Conditions; Version in SIP = CARB Ex. Order G-73, 40 CFR 52. 220(c)(39)(ii)(B) - 11/09/78 43 FR 52237; Current Rule Version = 07/25/77]

B. CONDITIONS APPLICABLE TO FOUR (4) DIESEL FUELED PISTON INTERNAL COMBUSTION (IC) ENGINES DRIVING ELECTRIC GENERATORS:

MDAQMD PERMITS, #s E003382, E004329, E004330, and E005133:

1. E003382: DIESEL IC ENGINE – Consisting of the following equipment:
Cummins model 230DFBE5, 375 bhp, Serial No. 8237, drives 150 kW generator set adjacent to Building G-24.
2. E004329: DIESEL IC ENGINE – Consisting of the following equipment:
Caterpillar model D353, 260 bhp, Serial No. 8237, drives 230 kW generator set in Building G-39 area.
3. E004330: DIESEL IC ENGINE – Consisting of the following equipment:
Caterpillar model 398, 260 bhp, Serial No. 8237, drives 150 kW generator set in Building G-39 area.
4. E005133: DIESEL IC ENGINE – Consisting of the following equipment:
Cummins model LTA10G1, 345 bhp, Serial NO. 34886879 at Apollo Site.

C. PERMIT CONDITIONS for permits E003382, E004329, E004330, E005133:

1. Owner/Operator shall insure this equipment complies with applicable Part II and Part III conditions.
[40 CFR 70.6 (a)(3)(B) - Periodic Monitoring Requirements](for Periodic Monitoring Requirements, see Part II and Part III conditions)
[Rule 204 - Permit Conditions; Version in SIP = CARB Ex. Order G-73, 40 CFR 52. 220(c)(39)(ii)(B) - 11/09/78 43 FR 52237; Current Rule Version = 07/25/77]
2. Operation of this equipment shall be conducted in accordance with all data and specifications submitted with the application under which this permit is issued unless otherwise noted below.
[40 CFR 70.6 (a)(3)(B) - Periodic Monitoring Requirements](for Periodic Monitoring Requirements, see Part II and Part III conditions)
[Rule 204 - Permit Conditions; Version in SIP = CARB Ex. Order G-73, 40 CFR 52. 220(c)(39)(ii)(B) - 11/09/78 43 FR 52237; Current Rule Version = 07/25/77]
3. This equipment shall be installed, operated and maintained in strict accord with those recommendations of the manufacturer/supplier and/or sound engineering principles which produce the minimum emissions of contaminants.

[40 CFR 70.6 (a)(3)(B) - Periodic Monitoring Requirements](for Periodic Monitoring Requirements, see Part II and Part III conditions)

[Rule 204 - Permit Conditions; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 43 FR 52237; Current Rule Version = 07/25/77]

4. This unit shall be limited to use for emergency power, defined as when commercially available power has been interrupted, and as part of a testing program which does not exceed 60 minutes of operation per week.

[40 CFR 70.6 (a)(3)(B) - Periodic Monitoring Requirements](for Periodic Monitoring Requirements, see Part II and Part III conditions)

[Rule 204 - Permit Conditions; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 43 FR 52237; Current Rule Version = 07/25/77]

5. The Owner/Operator shall use only diesel fuel whose sulfur concentration is less than or equal to 0.05% on a weight per weight basis in this unit.

[40 CFR 70.6 (a)(3)(B) - Periodic Monitoring Requirements](for Periodic Monitoring Requirements, see Part II and Part III conditions)

[Rule 204 - Permit Conditions; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 43 FR 52237; Current Rule Version = 07/25/77]

6. The Owner/Operator shall maintain a log for this unit, which, at a minimum, contains the information specified below. This log shall be maintained current and on-site for a minimum of five (5) years and shall be provided to District personnel on request:

1. Date of each use;
2. Duration of each use, in minutes;
3. Fuel consumed during each calendar year, in gallons;
4. Fuel sulfur concentration (the Owner/Operator may use the supplier's certification of sulfur content if it is maintained as part of this log).

[40 CFR 70.6 (a)(3)(B) - Periodic Monitoring Requirements](for Periodic Monitoring Requirements, see Part II and Part III conditions)

[Rule 204 - Permit Conditions; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 43 FR 52237; Current Rule Version = 07/25/77]

D. CONDITIONS APPLICABLE TO 135 BHP DIESEL FUELED PISTON TYPE
INTERNAL COMBUSTION ENGINE ELECTRICAL POWER GENERATOR;
MDAQMD PERMIT # E004635, consisting of:

1. 135 bhp Palmer Model 100-3P-18, Serial No. 66B5416 (8201), This engine generator is used to supplement base loaded equipment.

[40 CFR 70.6 (a)(3)(B) - Periodic Monitoring Requirements](for Periodic Monitoring Requirements, see Part II and Part III conditions)

[Rule 204 - *Permit Conditions*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 43 FR 52237; Current Rule Version = 07/25/77]

2. The owner/operator (Owner/Operator), shall log all starting and stopping times of the test periods of this generator to the nearest minute and the date.
[40 CFR 70.6 (a)(3)(B) - *Periodic Monitoring Requirements*](for *Periodic Monitoring Requirements, see Part II and Part III conditions*)
[Rule 204 - *Permit Conditions*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 43 FR 52237; Current Rule Version = 07/25/77]
3. The Owner/Operator shall comply with all applicable District rules and regulations.
[Rule 204 - *Permit Conditions*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 43 FR 52237; Current Rule Version = 07/25/77]
4. The Owner/Operator shall not use diesel fuel whose sulfur concentration exceeds 0.05 percent on a weight per weight basis.
[40 CFR 70.6 (a)(3)(B) - *Periodic Monitoring Requirements*](for *Periodic Monitoring Requirements, see Part II and III conditions*) [Rule 204 - *Permit Conditions*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 43 FR 52237; Current Rule Version = 07/25/77]
5. The Owner/Operator shall not use any fuel in this generator other than diesel without the written prior approval of the District. The Owner/Operator may use the supplier's sulfur analytical data, but at the discretion of the District, shall take a sample of the fuel and submit it for analysis by an independent laboratory. The results of said analyses, by ASTM method D 2622-82, shall be logged.
[40 CFR 70.6 (a)(3)(B) - *Periodic Monitoring Requirements*](for *Periodic Monitoring Requirements, see Part II and III conditions*) [Rule 204 - *Permit Conditions*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 43 FR 52237; Current Rule Version = 07/25/77]
6. The Owner/Operator shall maintain the logs current, on-site for a minimum of five (5) years and provide them to District personnel on request.
[40 CFR 70.6 (a)(3)(B) - *Periodic Monitoring Requirements*](for *Periodic Monitoring Requirements, see Part II and Part III conditions*)
[Rule 204 - *Permit Conditions*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 43 FR 52237; Current Rule Version = 07/25/77]
7. This unit shall be used only for emergency power when commercial and/or normally supplied power is interrupted. The unit may be operated as part of a testing program which does not exceed sixty (60) minutes per week.

[40 CFR 70.6 (a)(3)(B) - Periodic Monitoring Requirements](for Periodic Monitoring Requirements, see Part II and Part III conditions)

[Rule 204 - Permit Conditions; Version in SIP = CARB Ex. Order G-73,
40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 43 FR 52237; Current Rule Version = 07/25/77]

8. This unit shall not be operated more than 1000 hr in a calendar year without prior written approval of the District APCO.
[40 CFR 70.6 (a)(3)(B) - Periodic Monitoring Requirements](for Periodic Monitoring Requirements, see Part II and Part III conditions)
[Rule 204 - Permit Conditions; Version in SIP = CARB Ex. Order G-73,
40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 43 FR 52237; Current Rule Version = 07/25/77]
9. The Owner/Operator shall maintain the logs current, on-site for a minimum of five (5) years and provide them to District personnel on request.
[40 CFR 70.6 (a)(3)(B) - Periodic Monitoring Requirements](for Periodic Monitoring Requirements, see Part II and Part III conditions)
[Rule 204 - Permit Conditions; Version in SIP = CARB Ex. Order G-73,
40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 43 FR 52237; Current Rule Version = 07/25/77]
10. This unit shall be used only for emergency power when commercial and/or normally supplied power is interrupted. The unit may be operated as part of a testing program which does not exceed sixty (60) minutes per week.
[40 CFR 70.6 (a)(3)(B) - Periodic Monitoring Requirements](for Periodic Monitoring Requirements, see Part II and Part III conditions)
[Rule 204 - Permit Conditions; Version in SIP = CARB Ex. Order G-73,
40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 43 FR 52237; Current Rule Version = 07/25/77]
11. This unit shall not be operated more than 1000 hr in a calendar year without prior written approval of the District APCO.
[40 CFR 70.6 (a)(3)(B) - Periodic Monitoring Requirements](for Periodic Monitoring Requirements, see Part II and Part III conditions)
[Rule 204 - Permit Conditions; Version in SIP = CARB Ex. Order G-73,
40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 43 FR 52237; Current Rule Version = 07/25/77]
- E. THE FOLLOWING CONDITIONS APPLY TO PERMIT NO. E003381, Diesel Fire Pump, Cummins, model V6-155, SN 8909, 6 cylinder, 101 bhp, at Bldg A-12:
 1. The Owner/Operator is limited to operating this fire pump for emergency use only and up to one hour per week as part of a testing program.
[40 CFR 70.6 (a)(3)(B) - Periodic Monitoring Requirements](for Periodic Monitoring Requirements, see Part II and Part III conditions)
[Rule 204 - Permit Conditions; Version in SIP = CARB Ex. Order G-73,

40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 43 FR 52237; Current Rule Version = 07/25/77]

2. The Owner/Operator shall use only diesel fuel whose sulfur concentration is less than or equal to 0.05 percent on a weight per weight basis.
[40 CFR 70.6 (a)(3)(B) - Periodic Monitoring Requirements](for Periodic Monitoring Requirements, see Part II and Part III conditions)
 [Rule 204 - Permit Conditions; Version in SIP = CARB Ex. Order G-73,
 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 43 FR 52237; Current Rule Version = 07/25/77]

3. The Owner/Operator shall maintain a log which, as a minimum contains:
 - a. Date and length of time the engine is operated.
 - b. Volume and dates of delivery of diesel fuel.
 - c. Fuel sulfur content. The Owner/Operator may use the supplier's furnished certification of sulfur content if the certifications are maintained on file as part of the log.
[40 CFR 70.6 (a)(3)(B) - Periodic Monitoring Requirements](for Periodic Monitoring Requirements, see Part II and Part III conditions)
 [Rule 204 - Permit Conditions; Version in SIP = CARB Ex. Order G-73,
 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 43 FR 52237; Current Rule Version = 07/25/77]

4. The Owner/Operator shall maintain the logs current, on-site for a minimum of five (5) years and provide them to District personnel on request.
[40 CFR 70.6 (a)(3)(B) - Periodic Monitoring Requirements](for Periodic Monitoring Requirements, see Part II and Part III conditions)
 [Rule 204 - Permit Conditions; Version in SIP = CARB Ex. Order G-73,
 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 43 FR 52237; Current Rule Version = 07/25/77]

5. The Owner/Operator shall not operate this equipment more than 1,000 hrs per year without the prior written approval of the APCO.
[40 CFR 70.6 (a)(3)(B) - Periodic Monitoring Requirements](for Periodic Monitoring Requirements, see Part II and Part III conditions)
 [Rule 204 - Permit Conditions; Version in SIP = CARB Ex. Order G-73,
 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 43 FR 52237; Current Rule Version = 07/25/77]

F. CONDITIONS APPLICABLE TO GASOLINE DISPENSING FACILITIES (NON RETAIL); MDAQMD PERMIT NUMBERS N001476 AND N001477, consisting of; N001476; Fuel storage and dispensing operations:

1.
 - a. Tanks - Number of Tanks: 2
 - Tank Number: 1 2
 - b. Material Stored: 87U Diesel
 - c. Volume Gallons: 3,000 2,000

- d. Above/Underground (A/U): U U
- e. Dispensing Equipment:
 - i. Gasoline Dispensing Nozzles (Number): 1
 - ii. Diesel Dispensing Nozzles (Number): 1
 - iii. Phase II Vapor Recovery System (Type): Balance

N001477; Fuel storage and dispensing.

- 2. a. Tanks - Number of Tanks: 2
 - Tank Number: 1 2
- b. Material Stored: 87U 87U
- c. Volume Gallons: 10,000 10,000
- d. Above/Underground (A/U): U U
- e. Dispensing Equipment:
 - i. Gasoline Dispensing Nozzles (Number): 2
 - ii. Diesel Dispensing Nozzles (Number): 0
 - iii. Phase II Vapor Recovery System (Type): Balance

PERMIT CONDITIONS:

- 1. The toll-free telephone number that must be posted is 1-800-635-4617.
[40 CFR 70.6 (a)(3)(B) - Periodic Monitoring Requirements](for Periodic Monitoring Requirements, see Part II and Part III conditions)
[Rule 204 - Permit Conditions; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 43 FR 52237; Current Rule Version = 07/25/77]
[Rule 461 - Gasoline Transfer and Dispensing; Version in SIP = Current, 40 CFR 52.220(c)(198)(i)(E)(1) - 05/03/95 - 60 FR 21702]
- 2. The owner/operator (Owner/Operator) shall maintain a log of all inspections, repairs, and maintenance on equipment subject to Rule 461. Such logs or records shall be maintained at the facility for at least five (5) years and shall be available to the District upon request.
[40 CFR 70.6 (a)(3)(B) - Periodic Monitoring Requirements](for Periodic Monitoring Requirements, see Part II and Part III conditions)
[Rule 204 - Permit Conditions; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 43 FR 52237; Current Rule Version = 07/25/77]
[Rule 461 - Gasoline Transfer and Dispensing; Version in SIP = Current, 40 CFR 52.220(c)(198)(i)(E)(1) - 05/03/95 - 60 FR 21702]

3. Any modifications or changes to the piping or control fittings of the vapor recovery system requires prior approval from the District.
[Rule 204 - *Permit Conditions*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 43 FR 52237; Current Rule Version = 07/25/77]
[Rule 461 - *Gasoline Transfer and Dispensing*; Version in SIP = Current, 40 CFR 52.220(c)(198)(i)(E)(1) - 05/03/95 - 60 FR 21702]
4. Owner/Operator shall insure this equipment complies with applicable Part II and Part III conditions.
[40 CFR 70.6 (a)(3)(B) - *Periodic Monitoring Requirements*](for *Periodic Monitoring Requirements, see Part II and Part III conditions*)
[Rule 204 - *Permit Conditions*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 43 FR 52237; Current Rule Version = 07/25/77]
[Rule 461 - *Gasoline Transfer and Dispensing*; Version in SIP = Current, 40 CFR 52.220(c)(198)(i)(E)(1) - 05/03/95 - 60 FR 21702]
5. Owner/Operator shall not sale or supply for use within the District as a fuel for motor vehicles as defined by the Vehicle Code of the State of California, gasoline having a degree of unsaturation greater than that indicated by a Bromine Number of 30 as determined by ASTM Method D1159-66.
[Rule 432 - *Gasoline Specifications*; Version in SIP = Current, 40 CFR 52.220(c)(39)(ii)(B) - 09/08/78 - 43 FR 40011]
6. Owner/Operator shall not transfer, permit the transfer or provide equipment for the transfer of gasoline into or from any tank truck, trailer, or railroad tank car into the gasoline storage tank unless the transfer is made to tank equipped as required in Rule 463 or unless all of the following conditions are met:
 - (a) Tank is equipped with a permanent submerged fill pipe, and
 - (b) Such delivery vessel or tank is equipped with a vapor recovery system which has been certified by the California Air Resources Board, and the facility's vapor recovery system shall be capable of recovering or processing 95% of the displaced gasoline vapors, and
 - (c) All vapor return lines are connected between the tank truck, trailer, or railroad tank car and the gasoline tank, and the vapor recovery system is in operation in accordance with the manufacturer's specifications, and the delivery vehicle, including all hoses, fittings, and couplings, is maintained in a vapor-tight condition, as defined by the applicable California Air Resources Board certification and test procedures (Part III, Section F, of Title V Permit), and all equipment is operated and maintained according to the manufacturer's specifications.
 - (d) Hatch openings are limited to no more than 3 minutes in duration for visual inspection, provided that pumping has been stopped for at least 3 minutes prior to

- opening, and the hatch is closed fully before pumping is resumed.
- (e) All lines are gravity drained, in such a manner that upon disconnect no liquid spillage would be expected; and
 - (f) Equipment subject to this condition shall be operated and maintained, with no defects, as follows:
 - (i) All fill tubes are equipped with vapor-tight covers, including gaskets; and
 - (ii) All dry breaks have vapor-tight seals and are equipped with vapor-tight covers or dust covers; and
 - (iii) Coaxial fill tubes are operated so there is no obstruction of vapor passage from the storage tank back to the delivery vehicle; and
 - (iv) The fill tube assembly, including fill tube, fittings and gaskets, is maintained to prevent vapor leakage from any portion of the vapor recovery system; and
 - (v) All storage tank vapor return pipes without dry breaks are equipped with vapor-tight covers, including gaskets.

[40 CFR 70.6 (a)(3)(B) - Periodic Monitoring Requirements](for Periodic Monitoring Requirements, see Part II and Part III conditions)

[Rule 204 - Permit Conditions; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 43 FR 52237; Current Rule Version = 07/25/77]

[Rule 461 - Gasoline Transfer and Dispensing; Version in SIP = Current, 40 CFR 52.220(c)(198)(i)(E)(1) - 05/03/95 - 60 FR 21702]

7. Owner/Operator shall not transfer, or permit the transfer, or provide equipment for the transfer of gasoline from the gasoline storage tank into any motor vehicle tank of greater than 19 liters (5 gallons) capacity unless:
- (a) The dispensing unit used to transfer the gasoline from the gasoline tank to the motor vehicle fuel tank is equipped with a vapor recovery system which has been certified by the California Air Resources Board as capable of recovering 95% of the displaced gasoline vapors; and
 - (b) The vapor recovery system is operating in accordance with the manufacturer's specifications; and
 - (c) Equipment is operated and maintained with none of the following defects, pursuant to the definitions in California Administrative Code Section 94006, Subchapter 8, Chapter 1, Part III, of Title 17:
 - (i) Torn or cut boots;
 - (ii) Torn or cut face seals or face cones;
 - (iii) Loose or broken retractors;
 - (iv) Boots clamped or otherwise held in an open position;
 - (v) Leaking nozzles;
 - (vi) Loose, missing, or disconnected nozzle components, including but not limited to boots, face seals, face cones, check valve wires, diaphragm

- covers and latching devices;
- (vii) Defective shutoff mechanisms;
- (viii) Loose, missing, or disconnected vapor fuel hoses and associated components including but not limited to flow restrictors, swivels and anti-recirculation valves;
- (ix) Crimped, cut, severed, or otherwise damaged vapor or fuel hoses;
- (x) Missing, turned off, or otherwise not operating assist type vapor recovery systems, or any components of such systems;
- (xi) Improper or non-"CARB certified" equipment or components;
- (xii) Inoperative, severely malfunctioning or missing vacuum producing device
- (xiii) Inoperative, loose, missing or disconnected pressure/vacuum relief valves, vapor check valves or dry breaks.

[40 CFR 70.6 (a)(3)(B) - Periodic Monitoring Requirements](for Periodic Monitoring Requirements, see Part II and Part III conditions)

[Rule 204 - Permit Conditions; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 43 FR 52237; Current Rule Version = 07/25/77]

[Rule 461 - Gasoline Transfer and Dispensing; Version in SIP = Current, 40 CFR 52.220(c)(198)(i)(E)(1) - 05/03/95 - 60 FR 21702]

8. Vapor processing or vapor recovery system used by Owner/Operator shall comply with all safety, fire, weights and measures, and other applicable codes and/or regulations.
[Rule 461 - Gasoline Transfer and Dispensing; Version in SIP = Current, 40 CFR 52.220(c)(198)(i)(E)(1) - 05/03/95 - 60 FR 21702]
9. Owner/Operator shall not install any new or rebuilt vapor recovery equipment unless the components and parts clearly identify by markings the certified manufacturing company and/or certified rebuilding company.
[Rule 461 - Gasoline Transfer and Dispensing; Version in SIP = Current, 40 CFR 52.220(c)(198)(i)(E)(1) - 05/03/95 - 60 FR 21702]
10. Vapor recovery system shall at all times be maintained in accordance with the manufacturer's specifications and the State's certification.
[40 CFR 70.6 (a)(3)(B) - Periodic Monitoring Requirements](for Periodic Monitoring Requirements, see Part II and Part III conditions)
[Rule 204 - Permit Conditions; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 43 FR 52237; Current Rule Version = 07/25/77]
[Rule 461 - Gasoline Transfer and Dispensing; Version in SIP = Current, 40 CFR 52.220(c)(198)(i)(E)(1) - 05/03/95 - 60 FR 21702]
11. When problems or defects are detected and are associated with any vapor recovery, storage, delivery vessel or dispensing equipment, other than a breakdown of the central

vapor incineration or processing unit, the Owner/Operator shall at the end of the cycle, as defined in Rule 461, remove the equipment from service and not use the equipment until it has been repaired, replaced or adjusted as necessary to remove the problem or defect.

[Rule 461 - *Gasoline Transfer and Dispensing*; Version in SIP = Current, 40 CFR 52.220(c)(198)(i)(E)(1) - 05/03/95 - 60 FR 21702]

12. Owner/Operator shall not perform or permit the "pump-out" (bulk transfer) of gasoline from the gasoline storage tank unless such bulk transfer is performed using a vapor recovery system capable of returning the displaced vapors from the delivery vessel or other container being filled back to the gasoline storage tank. This vapor recovery is not required where the container is to be removed or filled with water for testing. For visual inspections, the requirements of Part III, Section F, condition F.6.d. are applicable.
[Rule 461 - *Gasoline Transfer and Dispensing*; Version in SIP = Current, 40 CFR 52.220(c)(198)(i)(E)(1) - 05/03/95 - 60 FR 21702]
13. Owner/Operator shall not store, or allow the storage of, gasoline in the gasoline storage tank unless the tank is equipped with a permanent submerged fill pipe and a certified vapor recovery system.
[Rule 461 - *Gasoline Transfer and Dispensing*; Version in SIP = Current, 40 CFR 52.220(c)(198)(i)(E)(1) - 05/03/95 - 60 FR 21702]
14. Owner/Operator shall conspicuously post in the gasoline dispensing area the operating instructions, the District's toll-free telephone number for complaints and a District-specified warning sign.
[Rule 461 - *Gasoline Transfer and Dispensing*; Version in SIP = Current, 40 CFR 52.220(c)(198)(i)(E)(1) - 05/03/95 - 60 FR 21702]
15. Owner/Operator shall maintain a log of all inspections, repairs, and maintenance on equipment subject to Rule 461 as listed in Part III, Section F conditions. In addition, Owner/Operator shall maintain a leak inspection log containing, at a minimum, the following: inspector's name, location and description of component type where any leak is found; date of leak detection, emission level (ppm) if applicable, and date leak is repaired. Such logs or records shall be maintained at the facility for a minimum of 5 years from the date the records were created and shall be made available to District, State or Federal personnel upon request.
[40 CFR 70.6(a)(3)(ii)(B); Rule 1203(D)(1)(d)(ii)].
[Rule 461 - *Gasoline Transfer and Dispensing*; Version in SIP = Current, 40 CFR 52.220(c)(198)(i)(E)(1) - 05/03/95 - 60 FR 21702]
[40 CFR 70.6(a)(3)(ii)(B); Rule 1203(D)(1)(d)(ii)]
[40 CFR 70.6 (a)(3)(B) - *Periodic Monitoring Requirements*] (for Periodic Monitoring Requirements; see Part II and Part III conditions)

16. Owner/Operator shall maintain a daily log of product throughput for gasoline dispensing facility.
[Rule 461 - *Gasoline Transfer and Dispensing*; Version in SIP = Current, 40 CFR 52.220(c)(198)(i)(E)(1) - 05/03/95 - 60 FR 21702]
[40 CFR 70.6 (a)(3)(B) - *Periodic Monitoring Requirements*] (*for Periodic Monitoring Requirements; see Part II and Part III conditions*)
17. Any violation determined by any one of the following listed *Reference Method Tests* shall constitute a violation of the Part III, Section F conditions:
- (a) Vapor recovery system and gasoline dispensing equipment shall be maintained leak-free as verified performing annual EPA Method 21 tests and monthly visual inspections. Vapor Tightness (Fugitive Vapor Leaks) for all equipment described in Part III, Section F conditions shall be determined by EPA Method 21 - *Determination of Volatile Organic Compounds Leaks*.
 - (b) Vapor Recovery System Efficiency for Delivery Vessels shall be determined by the EPA Method entitled, *Control of Organic Compound Leaks from Gasoline Tank Trucks and Vapor Collection Systems* (method specified in the CTG EPA-450/2-78-051), or the CARB Method entitled, *Certification and Test Procedures for Vapor Recovery Systems of Gasoline Delivery Tanks*.
 - (c) Reid Vapor Pressure shall be determined in accordance with ASTM Method D 323-82.
 - (d) Vapor Recovery System Efficiency for Bulk Plants shall be determined by CARB Method 202, "*Certification of Vapor Recovery Systems - Bulk Plants*".
 - (e) Vapor Recovery System Efficiency for Terminals shall be determined by CARB Method 203, "*Certification of Vapor Recovery Systems - Gasoline Terminals*".
 - (f) Vapor Recovery System Efficiency for Service Stations shall be determined by the CARB Methods in "*Test Procedures for Determining the Efficiency of Gasoline Vapor Recovery Systems at Service Stations*".
- [Rule 461 - *Gasoline Transfer and Dispensing*; Version in SIP = Current, 40 CFR 52.220(c)(198)(i)(E)(1) - 05/03/95 - 60 FR 21702]
[40 CFR 70.6 (a)(3)(B) - *Periodic Monitoring Requirements*] (*for Periodic Monitoring Requirements; see Part II and Part III conditions*)
18. Compliance with the requirement of the Phase II system to be 95 % effective for the recovery of displaced vapors is considered to be demonstrated by performing annual EPA Method 21 tests and monthly visual inspections, including maintaining equipment as specified in the applicable ARB Executive Order certifying the system and conditions listed in Part III, Section F conditions. A leak is defined as the dripping at a rate of more than three (3) drops per minute of liquid containing VOC's or a reading as methane in excess of 10,000 ppm as determined using EPA Method 21.

[Rule 461 - *Gasoline Transfer and Dispensing*; Version in SIP = Current, 40 CFR 52.220(c)(198)(i)(E)(1) - 05/03/95 - 60 FR 21702]
[40 CFR 70.6 (a)(3)(B) - *Periodic Monitoring Requirements*] (*for Periodic Monitoring Requirements; see Part II and Part III conditions*)

19. Any records required to be generated and/or kept by any portion of this Federal Operating Permit shall be retained on-site by the Owner/Operator for at least five (5) years from the date the records were created.
[40 CFR 70.6(a)(3)(ii)(B); Rule 1203(D)(1)(d)(ii)]
[40 CFR 70.6 (a)(3)(B) - *Periodic Monitoring Requirements*] (*for Periodic Monitoring Requirements; see Part II and Part III conditions*)
20. Owner/Operator shall maintain a log of all inspections, repairs, and maintenance on equipment subject to Rule 461 listed in Part III, Section F conditions. In addition, Owner/Operator shall maintain a leak inspection log containing, at a minimum, the following: inspector's name, location and description of component type where any leak is found; date of leak detection, emission level (ppm) if applicable, and date leak is repaired. Such logs or records shall be maintained at the facility for a minimum of 5 years from the date the records were created and shall be made available to District, State or Federal personnel upon request.
[40 CFR 70.6(a)(3)(ii)(B); Rule 1203(D)(1)(d)(ii)]
[Rule 461 - *Gasoline Transfer and Dispensing*; Version in SIP = Current, 40 CFR 52.220(c)(198)(i)(E)(1) - 05/03/95 - 60 FR 21702]
[40 CFR 70.6(a)(3)(ii)(B); Rule 1203(D)(1)(d)(ii)]
[40 CFR 70.6 (a)(3)(B) - *Periodic Monitoring Requirements*] (*for Periodic Monitoring Requirements; see Part II and Part III conditions*)
21. Owner/Operator shall maintain a daily log of product throughput for gasoline dispensing facility.
[Rule 461 - *Gasoline Transfer and Dispensing*; Version in SIP = Current, 40 CFR 52.220(c)(198)(i)(E)(1) - 05/03/95 - 60 FR 21702]
[40 CFR 70.6 (a)(3)(B) - *Periodic Monitoring Requirements*] (*for Periodic Monitoring Requirements; see Part II and Part III conditions*)
22. Any violation determined by any one of the following listed *Reference Method Tests* shall constitute a violation of the Part III, Section F conditions:
 - (a) Vapor recovery system and gasoline dispensing equipment shall be maintained leak-free as verified performing annual EPA Method 21 tests and monthly visual inspections. Vapor Tightness (Fugitive Vapor Leaks) for all equipment described in Part III, Section F conditions, shall be determined by EPA Method 21 - *Determination of Volatile Organic Compounds Leaks*.

- (b) Vapor Recovery System Efficiency for Delivery Vessels shall be determined by the EPA Method entitled, *Control of Organic Compound Leaks from Gasoline Tank Trucks and Vapor Collection Systems* (method specified in the CTG EPA-450/2-78-051), or the CARB Method entitled, *Certification and Test Procedures for Vapor Recovery Systems of Gasoline Delivery Tanks*.
 - (c) Reid Vapor Pressure shall be determined in accordance with ASTM Method D 323-82.
 - (d) Vapor Recovery System Efficiency for Bulk Plants shall be determined by CARB Method 202, "*Certification of Vapor Recovery Systems - Bulk Plants*".
 - (e) Vapor Recovery System Efficiency for Terminals shall be determined by CARB Method 203, "*Certification of Vapor Recovery Systems - Gasoline Terminals*".
 - (f) Vapor Recovery System Efficiency for Service Stations shall be determined by the CARB Methods in "*Test Procedures for Determining the Efficiency of Gasoline Vapor Recovery Systems at Service Stations*".
- [Rule 461 - *Gasoline Transfer and Dispensing*; Version in SIP = Current, 40 CFR 52.220(c)(198)(i)(E)(1) - 05/03/95 - 60 FR 21702]
[40 CFR 70.6 (a)(3)(B) - *Periodic Monitoring Requirements*] (for Periodic Monitoring Requirements; see Part II and Part III conditions)
23. Compliance with the requirement of the Phase II system to be 95 % effective for the recovery of displaced vapors is considered to be demonstrated by performing annual EPA Method 21 tests and monthly visual inspections, including maintaining equipment as specified in the applicable ARB Executive Order certifying the system and conditions listed in Part III, Section F conditions. A leak is defined as the dripping at a rate of more than three (3) drops per minute of liquid containing VOC's or a reading as methane in excess of 10,000 ppm as determined using EPA Method 21.
- [Rule 461 - *Gasoline Transfer and Dispensing*; Version in SIP = Current, 40 CFR 52.220(c)(198)(i)(E)(1) - 05/03/95 - 60 FR 21702]
[40 CFR 70.6 (a)(3)(B) - *Periodic Monitoring Requirements*] (for Periodic Monitoring Requirements; see Part II and Part III conditions)
24. Owner/Operator shall conspicuously post in the gasoline dispensing area the operating instructions, the District's toll-free telephone number for complaints and a District specified warning sign.
- [Rule 461 - *Gasoline Transfer and Dispensing*; Version in SIP = Current, 40 CFR 52.220(c)(198)(i)(E)(1) - 05/03/95 - 60 FR 21702]
[40 CFR 70.6 (a)(3)(B) - *Periodic Monitoring Requirements*] (for Periodic Monitoring Requirements; see Part II and Part III conditions)
25. Owner/Operator shall post the following toll-free telephone number: 1-800-635-4617.
- [Rule 461 - *Gasoline Transfer and Dispensing*; Version in SIP = Current, 40 CFR

52.220(c)(198)(i)(E)(1) - 05/03/95 - 60 FR 21702]

[40 CFR 70.6 (a)(3)(B) - *Periodic Monitoring Requirements*] (for *Periodic Monitoring Requirements*; see *Part II and Part III conditions*)

26. Any modifications or changes to the piping or control fittings of the vapor recovery system requires prior approval from the MDAQMD.

[Rule 461 - *Gasoline Transfer and Dispensing*; Version in SIP = Current, 40 CFR

52.220(c)(198)(i)(E)(1) - 05/03/95 - 60 FR 21702]

[40 CFR 70.6 (a)(3)(B) - *Periodic Monitoring Requirements*] (for *Periodic Monitoring Requirements*; see *Part II and Part III conditions*)

- G. CONDITIONS APPLICABLE TO T003003; DIESEL TANKS consisting of two 25,000 gal diesel fuel storage tanks, double-walled plasti-steel with leak detection, level detection and overfill protection adjacent to Bldg. G-81:

1. This equipment shall only be operated/maintained in strict accord with manufacturer/supplier recommendations and/or sound engineering principles.

[40 CFR 70.6 (a)(3)(B) - *Periodic Monitoring Requirements*](for *Periodic Monitoring Requirements*, see *Part II and Part III conditions*)

[Rule 204 - *Permit Conditions*; Version in SIP = CARB Ex. Order G-73, 40 CFR

52.220(c)(39)(ii)(B) - 11/09/78 43 FR 52237; Current Rule Version = 07/25/77]

2. This equipment shall only be operated/maintained in strict accord with manufacturer/supplier recommendations and/or sound engineering principles.

[40 CFR 70.6 (a)(3)(B) - *Periodic Monitoring Requirements*](for *Periodic Monitoring Requirements*, see *Part II and Part III conditions*)

[Rule 204 - *Permit Conditions*; Version in SIP = CARB Ex. Order G-73, 40 CFR

52.220(c)(39)(ii)(B) - 11/09/78 43 FR 52237; Current Rule Version = 07/25/77]

- H. THE FOLLOWING CONDITIONS APPLY TO ABRASIVE BLASATING UNITS;

Permit No.A001896 Portable, SN 7667, located at Kentron Work Yard, No. A-3.

Permit No.A001897.Portable, located at Work Yard #4.

1. Sandblasting operations within any permanent building shall not discharge into the atmosphere emissions which have an opacity of 10 percent or greater.

[40 CFR 70.6 (a)(3)(B) - *Periodic Monitoring Requirements*](for *Periodic Monitoring Requirements*, see *Part II and Part III conditions*)

[Rule 204 - *Permit Conditions*; Version in SIP = CARB Ex. Order G-73,

40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 43 FR 52237; Current Rule Version = 07/25/77]

2. Dry sandblasting using CARB-approved abrasive and no other control shall be used only

on surfaces sufficiently free of excess deposits to prevent emissions in excess of 20 percent opacity for more than three minutes in any one hour.

[40 CFR 70.6 (a)(3)(B) - Periodic Monitoring Requirements](for Periodic Monitoring Requirements, see Part II and Part III conditions)

[Rule 204 - Permit Conditions; Version in SIP = CARB Ex. Order G-73,
40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 43 FR 52237; Current Rule Version = 07/25/77]

3. Dry sandblasting operation shall be shrouded and/or exhausted through filters to prevent emissions in excess of 20 percent opacity for more than three minutes in any one hour.

[40 CFR 70.6 (a)(3)(B) - Periodic Monitoring Requirements](for Periodic Monitoring Requirements, see Part II and Part III conditions)

[Rule 204 - Permit Conditions; Version in SIP = CARB Ex. Order G-73,
40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 43 FR 52237; Current Rule Version = 07/25/77]

I. THE FOLLOWING CONDITIONS APPLY TO ABRASIVE BLASTING UNIT
A007644:

1. Owner/Operator shall insure this equipment complies with applicable Part II and Part III conditions.

[40 CFR 70.6 (a)(3)(B) - Periodic Monitoring Requirements](for Periodic Monitoring Requirements, see Part II and Part III conditions)

[Rule 204 - Permit Conditions; Version in SIP = CARB Ex. Order G-73, 40 CFR
52.220(c)(39)(ii)(B) - 11/09/78 43 FR 52237; Current Rule Version = 07/25/77]

2. This unit shall only use abrasives that have been certified by the California Air Resources Board (CARB).

[40 CFR 70.6 (a)(3)(B) - Periodic Monitoring Requirements](for Periodic Monitoring Requirements, see Part II and Part III conditions)

[Rule 204 - Permit Conditions; Version in SIP = CARB Ex. Order G-73, 40 CFR
52.220(c)(39)(ii)(B) - 11/09/78 43 FR 52237; Current Rule Version = 07/25/77]

3. Abrasive blasting operations within any permanent building shall not discharge into the atmosphere emissions which have an opacity of 10% or greater.

[40 CFR 70.6 (a)(3)(B) - Periodic Monitoring Requirements](for Periodic Monitoring Requirements, see Part II and Part III conditions)

[Rule 204 - Permit Conditions; Version in SIP = CARB Ex. Order G-73, 40 CFR
52.220(c)(39)(ii)(B) - 11/09/78 43 FR 52237; Current Rule Version = 07/25/77]

4. Dry abrasive blasting using ARB-approved abrasive and no other control shall be used only on surfaces sufficiently free of excess deposits to prevent emissions >20% opacity for more than three minutes in any one hour.

[40 CFR 70.6 (a)(3)(B) - Periodic Monitoring Requirements](for Periodic Monitoring Requirements, see Part II and Part III conditions)

[Rule 204 - Permit Conditions; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 43 FR 52237; Current Rule Version = 07/25/77]

5. The owner/operator, Owner/Operator, shall operate this equipment in strict accord with the manufacturer's specifications and/or sound engineering principles.

[40 CFR 70.6 (a)(3)(B) - Periodic Monitoring Requirements](for Periodic Monitoring Requirements, see Part II and Part III conditions)

[Rule 204 - Permit Conditions; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 43 FR 52237; Current Rule Version = 07/25/77]

6. The Owner/Operator shall maintain a log which contains the weight of abrasive blast materials used, dates, and times of use. The log shall be maintained current, on-site (with the unit) for a minimum of 2 years and provided to District personnel on request.

[40 CFR 70.6 (a)(3)(B) - Periodic Monitoring Requirements](for Periodic Monitoring Requirements, see Part II and Part III conditions)

[Rule 204 - Permit Conditions; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 43 FR 52237; Current Rule Version = 07/25/77]

7. The Owner/Operator shall comply with all the Rules and Regulations of this District. Applicable rules are included in, but not necessarily limited to, Regulations IV and XIII.

[40 CFR 70.6 (a)(3)(B) - Periodic Monitoring Requirements](for Periodic Monitoring Requirements, see Part II and Part III conditions)

[Rule 204 - Permit Conditions; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 43 FR 52237; Current Rule Version = 07/25/77]

J. CONDITIONS APPLICABLE TO PORTABLE ABRASIVE BLASTING SYSTEM;
MDAQMD PERMIT # A004612, consisting of:

Central Pneumatic portable unit, Model No. 40, Item No. 01521. Unit has a 40 lb pot. Rated maximum 200 lb/hr @ 25 cfm.

1. Owner/Operator shall insure this equipment complies with applicable Part II and Part III conditions.

[40 CFR 70.6 (a)(3)(B) - Periodic Monitoring Requirements](for Periodic Monitoring Requirements, see Part II and Part III conditions)

[Rule 204 - Permit Conditions; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 43 FR 52237; Current Rule Version = 07/25/77]

2. Operation of this equipment shall be conducted in compliance with data and specifications submitted with the original District permit application.

[40 CFR 70.6 (a)(3)(B) - Periodic Monitoring Requirements](for Periodic Monitoring Requirements, see Part II and Part III conditions)

[Rule 204 - Permit Conditions; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 43 FR 52237; Current Rule Version = 07/25/77]

3. This abrasive blast system shall only use steel and/or iron shot and/or grit; and/or abrasives that have been certified by the California Air Resources Board for dry unconfined usage (Cal. Code of Reg., Title 17, Section 92520).

[40 CFR 70.6 (a)(3)(B) - Periodic Monitoring Requirements](for Periodic Monitoring Requirements, see Part II and Part III conditions)

[Rule 204 - Permit Conditions; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 43 FR 52237; Current Rule Version = 07/25/77]

4. The abrasive blast system shall be operated/maintained in strict accord with manufacturer/supplier recommendations and/or sound engineering principles.

[40 CFR 70.6 (a)(3)(B) - Periodic Monitoring Requirements](for Periodic Monitoring Requirements, see Part II and Part III conditions)

[Rule 204 - Permit Conditions; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 43 FR 52237; Current Rule Version = 07/25/77]

K. CONDITIONS APPLICABLE TO PORTABLE ABRASIVE BLASTING SYSTEM:
MDAQMD PERMIT # A004723, consisting of; Clemco model No. 5964, serial No. 5964/35C, rated at maximum 12 lb/min sand use;

1. Owner/Operator shall insure this equipment complies with applicable Part II and Part III conditions.

[40 CFR 70.6 (a)(3)(B) - Periodic Monitoring Requirements](for Periodic Monitoring Requirements, see Part II and Part III conditions)

[Rule 204 - Permit Conditions; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 43 FR 52237; Current Rule Version = 07/25/77]

2. Operation of this equipment shall be conducted in compliance with data and specifications submitted with the original District permit application.

[40 CFR 70.6 (a)(3)(B) - Periodic Monitoring Requirements](for Periodic Monitoring Requirements, see Part II and Part III conditions)

[Rule 204 - Permit Conditions; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 43 FR 52237; Current Rule Version = 07/25/77]

3. This abrasive blast system shall only use steel and/or iron shot and/or grit; and/or abrasives that have been certified by the California Air Resources Board for dry unconfined usage (Cal. Code of Reg., Title 17, Section 92520).

[40 CFR 70.6 (a)(3)(B) - Periodic Monitoring Requirements](for Periodic Monitoring Requirements, see Part II and Part III conditions)

[Rule 204 - Permit Conditions; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 43 FR 52237; Current Rule Version = 07/25/77]

4. The abrasive blast system shall be operated/maintained in strict accord with manufacturer/supplier recommendations and/or sound engineering principles.

[40 CFR 70.6 (a)(3)(B) - Periodic Monitoring Requirements](for Periodic Monitoring Requirements, see Part II and Part III conditions)

[Rule 204 - Permit Conditions; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 43 FR 52237; Current Rule Version = 07/25/77]

PART IV

STANDARD FEDERAL OPERATING PERMIT CONDITIONS

A. STANDARD CONDITIONS:

1. If any portion of this Federal Operating Permit is found to be invalid by the final decision of a court of competent jurisdiction the remaining portion(s) of this Federal Operating Permit shall not be affected thereby.
[40 CFR 70.6(a)(5); Rule 1203(D)(1)(f)(i)]
2. Owner/Operator shall comply with all condition(s) contained herein. Noncompliance with any condition(s) contained herein constitutes a violation of the Federal Clean Air Act and of MDAQMD Regulation XII and is grounds for enforcement action; termination, revocation and re-issuance, or modification of this Federal Operating Permit; and/or grounds for denial of a renewal of this Federal Operating Permit.
[40 CFR 70.6(a)(6)(i); Rule 1203(D)(1)(f)(ii)]
3. It shall not be a defense in an enforcement action brought for violation(s) of condition(s) contained in this Federal Operating Permit that it would have been necessary to halt or reduce activity to maintain compliance with those condition(s).
[40 CFR 70.6(a)(6)(ii); Rule 1203(D)(1)(f)(iii)]
4. This Federal Operating Permit may be modified, revoked, reopened or terminated for cause.
[40 CFR 70.6(a)(6)(iii); Rule 1203(D)(1)(f)(iv)]
5. The filing of an application for modification; a request for revocation and re-issuance; a request for termination; notifications of planned changes; or anticipated noncompliance with condition(s) does not stay the operation of any condition contained in this Federal Operating Permit.
[40 CFR 70.6(a)(6)(iii); Rule 1203(D)(1)(f)(v)]
6. The issuance of this Federal Operating Permit does not convey any property rights of any sort nor does it convey any exclusive privilege.
[40 CFR 70.6(a)(6)(iv); Rule 1203(D)(1)(f)(vi)]
7. Owner/Operator shall furnish to the MDAQMD, within a reasonable time as specified by the MDAQMD, any information that the MDAQMD may request in writing.
[40 CFR 70.6(a)(6)(v); Rule 1203(D)(1)(f)(vii)]
8. Owner/Operator shall furnish to District, state or federal personnel, upon request, copies of any records required to be kept pursuant to condition(s) of this Federal Operating Permit.
[40 CFR 70.6(a)(6)(v); Rule 1203(D)(1)(f)(viii)]
9. Any records required to be generated and/or kept by any portion of this Federal Operating Permit shall be retained by the facility Owner/Operator for at least five (5) years from the date the records

were created.

[40 CFR 70.6(a)(3)(ii)(B); Rule 1203(D)(1)(d)(ii)]

10. Owner/Operator shall pay all applicable fees as specified in MDAQMD Regulation III, including those fees related to permits as set forth in Rules 301 and 312.
[40 CFR 70.6(a)(7); Rule 1203(D)(1)(f)(ix)]
11. Owner/Operator shall not be required to revise this permit for approved economic incentives, marketable permits, emissions trading or other similar programs provided for in this permit.
[40 CFR 70.6(a)(8); Rule 1203(D)(1)(f)(x)]
12. Compliance with condition(s) contained in this Federal Operating Permit shall be deemed compliance with the Applicable Requirement underlying such condition(s).
[40 CFR 70.6(f)(1); Rule 1203(G)(1)]
13. The Permit Shield set forth above, in condition 12 of Part IV, shall not be construed to limit the emergency powers of USEPA as set forth in 42 U.S.C. §7603.
[40 CFR 70.6(f)(3)(i); Rule 1203(G)(3)(a)]
14. The Permit Shield set forth above, in condition 12 of Part IV, shall not be construed to limit liability for violations which occurred prior to the issuance of this Federal Operating Permit.
[40 CFR 70.6(f)(3)(ii); Rule 1203(G)(3)(b)]
15. The Permit Shield set forth above, in condition 12 of Part IV, shall not be construed to alter any Applicable Requirement Contained in the Acid Rain Program.
[40 CFR 70.6(f)(3)(iii); Rule 1203(G)(3)(c)]
16. The Permit Shield set forth above, in condition 12 of Part IV, shall not be construed to limit the ability of USEPA or the MDAQMD to obtain information pursuant to other provisions of law including but not limited to 42 U.S.C. §7414.
[40 CFR 70.6(f)(3)(iv); Rule 1203(G)(3)(d)]
17. The Permit Shield set forth above, in condition 12 of Part IV, shall not be construed to apply to emissions trading pursuant to provisions contained in an applicable State Implementation Plan.
[40 CFR 70.4(b)(12)(ii)(B); Rule 1203(G)(3)(e)]
18. The Permit Shield set forth above, in condition 12 of Part IV, shall not be construed to apply to changes made which are not expressly allowed by this Federal Operating Permit.
[40 CFR 70.4(b)(14)(iii); Rule 1203(G)(3)(f)]
19. The Permit Shield set forth in Part IV, condition 12, shall not be construed to apply to changes made pursuant to the Significant Permit Modification provisions until such changes are included in this Federal Operating Permit.
[40 CFR 70.5(a)(1)(ii), 70.7(e)(2)(vi); Rule 1203 (G)(3)(g)]

20. If Owner/Operator performs maintenance on, or services, repairs, or disposes of appliances, Owner/Operator shall comply with the standards for Recycling and Emissions Reduction pursuant to 40 CFR Part 82, Subpart F. These requirements are Federally Enforceable through this Title V Permit.
[40 CFR Part 82, Subpart F]
21. If Owner/Operator performs service on motor vehicles when this service involves the ozone-depleting refrigerant in the motor vehicle air conditioner (MVAC), Owner/Operator shall comply with the standards for Servicing of Motor Vehicle Air Conditioners pursuant to all the applicable requirements as specified in 40 CFR Part 82, Subpart B. These requirements are Federally Enforceable through this Title V Permit.
[40 CFR Part 82, Subpart B]
22. Notwithstanding the testing requirements contained elsewhere in this Title V Permit, any credible evidence may be used to establish violations, including but not limited to; reference test methods, engineering calculations, indirect estimates of emissions, CEMS data, and parametric monitoring data. Data need not be required to be collected in a Title V permit in order to be considered credible.
[Section 113(a) of the Clean Air Act]

PART V OPERATIONAL FLEXIBILITY

A. ALTERNATIVE OPERATING SCENARIO(S):

No additional Operational Flexibility provisions allowed without appropriate permit modifications.

PART VI CONVENTIONS, ABBREVIATIONS, DEFINITIONS

A. The following referencing conventions are used in this Federal Operating Permit:

40CFR60, Standards of Performance for New Stationary Sources (NSPS)
40CFR60, Appendix F, Quality Assurance Procedures
40CFR61, National Emission Standards for Hazardous Air Pollutants (NESHAPS)
40CFR61, Subpart M, National Emission Standards for Asbestos
40CFR72, Permits Regulation (Acid Rain Program)
40CFR73, Sulfur Dioxide Allowance System
40CFR75, Continuous Emission Monitoring
40CFR75, Subpart D, Missing Data Substitution Procedures
40CFR75, Appendix B, Quality Assurance and Quality Control Procedures
40CFR75, Appendix C, Missing Data Estimating Procedures
40CFR75, Appendix D, Optional SO₂ Emissions Data Protocol
40CFR75, Appendix F, Conversion Procedures
40CFR75, Appendix G, Determination of CO₂ Emissions

B. Other conventions:

1. Unless otherwise noted, a “day” shall be considered a 24 hour period from midnight to midnight (i.e., calendar day).
2. The process unit identifications represent the District permit number designations. These numbers are not sequential. The use of District permit numbers provides continuity between the District and Federal Operating Permit systems.

C. Abbreviations used in this permit are as follows:

CFR	Code of Federal Regulations
APCO	Air Pollution Control Officer
bhp	brake horse power
Btu	British thermal units
CCR	California Code of Regulations
CEMS	continuous emissions monitoring system
CO	carbon monoxide
CO ₂	carbon dioxide
District	Mojave Desert Air Quality Management District (formed July 1993)
MDAQMD	Mojave Desert Air Quality Management District (formed July 1993)
MD	Mojave Desert Air Quality Management District (formed July 1993)
SB	San Bernardino County APCD (1975 to formation of MDAQMD)
gr/dscf	grains per dry standard cubic foot
gpm	gallons per minute
gph	gallons per hour
hp	horse power
H&SC	California Health and Safety Code

lb	pounds
lb / hr	pounds per hour
lb / MM Btu	pounds per million British thermal units
MM Btu	million British thermal units
MM Btu/hr	million British thermal units per hour
MW	Megawatt electrical power
MW(e) net net	Megawatt electrical power
NH ₃	ammonia
NMOC	non-methane organic compounds
NO _x	oxides of nitrogen
NO ₂	nitrogen dioxide
O ₂	oxygen
pH	pH (acidity measure of solution)
PM ₁₀ particulate matter less than 10 microns aerodynamic diameter
ppmv	parts per million by volume
psig	pounds per square inch gauge pressure
QA	quality assurance
rpm	revolutions per minute
RVP	Reid vapor pressure
SCAQMD	South Coast Air Quality Management District
scfm	standard cubic feet per minute
scfh	standard cubic feet per hour
SIC	Standard Industrial Classification
SIP	State of California Implementation Plan
SO _x	oxides of sulfur
SO ₂	sulfur dioxide
tpy	tons per year
TVP	true vapor pressure

D. DEFINITIONS:

1. For the purposes of MDAQMD Rule 1113 - *Architectural Coatings*, and its use in this Federal Operating Permit, the definitions contained in MDAQMD Rule 1113 shall apply.
2. For the purposes of MDAQMD Rule 1114 - *Wood Products Coating Operations*, and its use in this Federal Operating Permit, the definitions contained in MDAQMD Rule 1114 shall apply.
3. For the purposes of MDAQMD Rule 1115 - *Metal Parts and Products Coating Operations*, and its use in this Federal Operating Permit, the definitions contained in MDAQMD Rule 1115 shall apply.
4. For the purposes of MDAQMD Rule 1104 - *Organic Solvent Degreasing Operations*, and its use in this Federal Operating Permit, the definitions contained in MDAQMD Rule 1104 shall apply.
5. For the purposes of MDAQMD Rule 461 - *Gasoline Transfer and Dispensing*, and its use in this Federal Operating Permit, the definitions contained in MDAQMD Rule 461 shall apply.
6. For the purposes of MDAQMD Rule 432 - *Gasoline Specifications*, and its use in this Federal Operating Permit,

the definitions contained in MDAQMD Rule 432 shall apply.

7. For the purposes of MDAQMD Rule 431 - *Sulfur Content of Fuels*, and its use in this Federal Operating Permit, the definitions contained in MDAQMD Rule 431 shall apply.
8. For the purposes of MDAQMD Rule 430 - *Breakdown Provisions*, and its use in this Federal Operating Permit, the definitions contained in MDAQMD Rule 430 shall apply.
9. For the purposes of MDAQMD Rule 1159 - *Stationary Gas Turbines*, and its use in this Federal Operating Permit, the definitions contained in MDAQMD Rule 1159 shall apply.
10. For the purposes of MDAQMD Rule 1160 - *Internal Combustion Engines*, and its use in this Federal Operating Permit, the definitions contained in MDAQMD Rule 1160 shall apply.